

## Product datasheet for **SC100145**

### **FAM241B (NM\_145306) Human Untagged Clone**

#### **Product data:**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product Name:             | FAM241B (NM_145306) Human Untagged Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag:                      | Tag Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Symbol:                   | FAM241B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Synonyms:                 | C10orf35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Mammalian Cell Selection: | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Vector:                   | <u>pCMV6-XL4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Fully Sequenced ORF:      | <p>&gt;OriGene ORF within SC100145 sequence for NM_145306 edited (data generated by NextGen Sequencing)</p> <p>ATGGTGCGGATCTTGCCAATGGGGAATCGTGCAGGATGACGACCCCGAGTGAGGACC<br/> ACTACCCAGCCACCAAGAGGTAGCATTCTCGACAGAGCTTCTTCAATAGGGGCCATGGT<br/> GCTCCCCAGGGGTCTGGCCCCGCCAGCAGCAGGCAGGTGCCAGGCTGGGTGCTGCT<br/> CAGTCCCCCTTCAATGACCTCAACCGGCAGCTGGTGAACATGGGCTTCCGCAGTGGCAT<br/> CTCGGCAACCATGCTGTGGAGCCGGTGACCTCCATCCTGCTCCTCTTCTGCTCATGATG<br/> CTTGGTGTTCGTGGCCTCCTCTGGTTGGCCTTGTCTACCTGGTGTCCACCTGAGTCAG<br/> CGGTGA</p> <p>Clone variation with respect to NM_145306.2<br/> 108 c=&gt;t;243 t=&gt;c</p> |



[View online »](#)

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_145306 unedited</p> <pre> TTCACCATTTTGTAAACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGNAAAC CGCCTGGAGCCGCGGGAGTGGACGCCGCCGAGGCCCGGAGTCGCGCCTGCAGACACAGC ATCTACTCAGCGTGGGTACCTCTGTGAACATCACTGACTGCAAGCCTNCCTCAATTTCT GGTGCAGCCCATAGGGACCCACAGCGNCTGGGAGGATGGTGGGATCTTGGCCATGGGG AAATCGTGCAGGATGACGACCCCGAGTGAGGACCACTACCCAGCCACCAAGAGGTAGCA TTCCTCGACAGAGCTTCTTCAATAGGGGCCATTGTGCTTCCCAGGGGTCTGGNCCCG GCAGCAAGAGGCAGGTGCCAGGCTGGGTGCTGCTCAATCCCCCTTAAATGACCTCAACCG GCAGCTGGTGATTATGGGCTTTCCGCAGTGGCATCTCAGCAACCATGCTTGNAGCCGGT GACCTNCATCCTGCTCCTCTCTCTCATGATGCTTGGTGTTCTGGGCTCCTTCTGGT TGGCCTTGTCTACCTGGTGGCCACCTTGAGCATCCGGTGAACATGAGGGCTCATAGG GGCGGGGTTTGGCGAGAAGGACTNGCCTGGCGCTTGGTGTGAGAGCACGCATTTGGGAGG GCATTCTGGGTGCNCTGAAGGTCTGAACAGAAAAGGACNCCAGGGTGTGGCTCACCT TTGTGCATACGGTGAAGGAAAAGGAAACCTTAGNCCAATCATTCCAAATGTGGATCGTTT NCGTNGGTCCCNAGTTACCCATAGGCGGNTATGGGCGCTGCGTTATGTGGACCAAAATAT ACAATAACAAGCAAGCTCTNGCNATCCTTAATCCTCTNATACCGNAATCATTGACCTGA TGTCACCTTCTCAATCCCGGNAACATTCTCTNCC </pre> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ACCN:</b>                        | NM_145306                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Insert Size:</b>                 | 1250 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>OTI Disclaimer:</b>              | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Components:</b>                  | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq:</b>                      | <u><a href="#">NM_145306.1</a></u> , <u><a href="#">NP_660349.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq Size:</b>                 | 1129 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq ORF:</b>                  | 366 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Locus ID:</b>                    | 219738                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID:</b>                  | <u><a href="#">Q96D05</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>                | 10q22.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Families:</b>            | Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Summary:</b>                | May play a role in lysosome homeostasis.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |