

## Product datasheet for **SC314847**

### **C5orf25 (SIMC1) (BC037298) Human Untagged Clone**

#### **Product data:**

|               |                                                 |
|---------------|-------------------------------------------------|
| Product Type: | Expression Plasmids                             |
| Product Name: | C5orf25 (SIMC1) (BC037298) Human Untagged Clone |
| Tag:          | Tag Free                                        |
| Symbol:       | C5orf25                                         |
| Synonyms:     | chromosome 5 open reading frame 25; MGC40402    |
| Vector:       | <u>pCMV6 series</u>                             |



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for BC037298, the custom clone sequence may differ by one or more nucleotides

```

ATGGCACCAGCATCTGCTTCTGGTGAGGACCTCAGGAAGCTTCCAACCATGGCAGAGGTG
AATGGGGAGCAGGACTTCATTGACTTAAGTAGAGAGACCAGCAAGGACAAAAGATCGC
AGTGGACTGTATGTGATTGACCTGACAAGAGCTGAGGGAGAAAATAGACCTATTGCCACT
CTTGACTTAACCTTAGAACCTGTCACTCCTTCCCAGAAGGAGCCAACAGTCTTCAGACA
TGTGCCAGCCTCTCTGGCAAAGCGGTGATGGAAGGGCACGTGGACAGAAGCTCTCAGCCT
ACAGCACGGAGAATCATTAAACAGTGATCCTGTAGATTTGGACCTAGTGGAGAAAACACC
TTTGATAGTCCCCACCCGCTACATCCATCAGTGAGGCTCTGTTTATCCAACAGAGCCT
AATTGTAGCTCAGCCACATTACAGGTAACCTCAGCTTCTTGGCAAGTCTACAGTGTCT
TCAGATGTTAGTCCCTCTCCCCAACAAGCAATAATAGTAGGAGCAGCAGCAGCAGCAGC
AATCAAAAAGCACCCTTGCCATGCCACAGCAAGATGTATCTCGCCACCACAGGCCTTG
CCGTGCCCCCTGCGACCTTTGCCATGCCACCGAGAGCCTCACCATGTCCACCACGAGCC
TCCTCATGCCACCACGAGCCTTGTCTATGCCATCACAAACCATGCAGTGCCAACTACCA
GCTCTAACTACCCACCTCAAGAAGTGCCATGCCCTCGGCAGAATATCCAGGCCACCT
CAAGACTCTCTGGGCCTACCTCAAGATGTGCCAGGGCTGCCTCAAAGCATATTACATCCA
CAAGATGTGGCATACCTGCAAGACATGCCACGGTCACCAGGAGATGTGCCACAGTCACCA
AGTGATGTTTCACCGTCACCAGATGCACCACAGTCACCAGGGGGCATGCCACACTTACCG
GGAGATGTGTTACATTACCTGGAGACATGCCACACTCATCAGGGGACGTGACACACTCA
CCTAGAGACATCCCTCACTTACCAGGAGACAGGCCTGACTTTACCAGAATGATGTACAG
AACCGTGACATGCCTATGGATATCTCAGCTCTGTCTCTCCAAGCTGCTCTCCAGACCA
CAGTCTGAAACTCCCTTAGAGAAAGTTCCTTGGCTCTCTGTCTATGGAACCCAGCCAGA
AAAGAAATATCACTGTGAGAGCCTGCCAAACCTGGGTCTGCCACGTACAATCACGAACA
CCACAAGGTGGGTGTACAACAGACCATGCCTGCATAGACTGAAGTACTTCTTACGTCCT
CCGGTTTCATCACCTCTTCTTTCAGACGCTAATACCGGATAAAGACACAAGAGAGAACAAG
GGTCAAAGATTAGAACCCTCCCTCATCGAAGACTAAGAATGGTAACAAATACATTGAA
GAGAATTTTCTCTGGGGACTGTGAGTTTTTGTGAGTTTGTGTACCCACGATTAC
CCACCAAGAGAAATCGTGGCTCACATCATCCAGAAAATCTTGCTCAGTGGCTCTGAGACT
GTGGATGTCCTAAAGGAGCCTACATGCTTCTCATGAAAATTCAACAGCTACATCCAGCC
AATGCCAAGACAGTGGAGTGGGACTGGAAGTCTCACCTATGTCATGGAGGAAGAGGGA
CAAACCTCTGCCTGGGCGAGTCTTTTCTGCGTTATGTCGTTTCAAGACCTAGAAGATGAC
TTTCAGCAGACCCCTGAGGAGGCAACGGCAGCACCTGCAGCAATCCATTGCAAAACATGGTG
CTTTCTGTGACAAGCAGCCCCACAATGTCAGGGATGTTATCAAGTGGCTGGTCAAAGCA
GTAAGTGAAGATGGATTGACTCAGCCCCCAATGGAAATCAAACGTCTTCAGGAACAGGA
ATCTTGAAAGCCAGCAGTAGCCACCTTCTTCCAGCCCCAACCTGACAAAGAACCAAT
CAGCTGATTGTGTGCCAGCTTCAAGGATGCTCTCCATAGCCGTAGAGGTGGACAGGACC
CCCACCTGCAGTCCAATAAAATTGCCGAGATGATGTTTGGGTTTGTGCTGGACATTCT
GAGAGGAGCCAGAGAGAAATGTTCTTTACTACCATGGAAGCCACCTTCTGCGCTGCAAA
GTGTTAGAAATCATATTCCTCCACAGCTGTGAGACACCCACCCGCTGCCTCTGTCTCTG
GCCCAGGCCCTCTACTTTCTGAATAATTCTACGTCACTGCTCAAGTGTGAGTCAGATAAA
AGCCAGTGGCAGACTTGGACGAATTGGTTGAGCGTCTGAGTTTCTGCTGTCCAGTTAT
CAACATGTTTTAAGAGAACACTTAAGGAGTTCGTGATCGACGAAAGGACTTAATAATC
AAAAGGATTAAGCCCAACCCAGCAAGGAGATGACATCACAGTGGTAGACGTAGAGAAG
CAGATTGAGGCCTTCCGAGCCGCTGATCCAGATGCTGGGGGAGCCTCTTGCCCCAA
CTCCAAGACAAAGTCACTTGTTGAAGCTCCTGCTCTTCTATGCTGCGGACTTGAACCT
GATGCAGAGCCCTTCAAAGGGCTGGAGCGGCTCC

```

**Restriction Sites:** Please inquire

**ACCN:** BC037298

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.                                                                                                                                                                                                                                                      |
| <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="#">BC037298.1</a></u> , <u><a href="#">AAH37298.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 3591 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2619 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 375484                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>          | 5q35.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Summary:</b>          | Inhibits the protease activity of CAPN3.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                                                                 |