

## Product datasheet for **SC302431**

### **FAM108B1 (ABHD17B) (NM\_001025780) Human Untagged Clone**

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | FAM108B1 (ABHD17B) (NM_001025780) Human Untagged Clone                                     |
| Tag:                      | Tag Free   |
| Symbol:                   | FAM108B1   |
| Synonyms:                 | C9orf77; CGI-67; FAM108B1  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >SC302431 representing NM_001025780.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAATAATCTTTCATTTAGTGAGCTATGTTGCCTCTTCTGCTGTCCACCTTGCCAGGGAAGATTGCT
TCAAAATTAGCGTTTTTGCACCTGATCCAACCTACACACTGATGTGTGATGAAAGCGGAAGCCGTTGG
ACTTTACATCTGTCTGAACGAGCAGACTGGCAGTATTCTTCTAGAGAAAAAGATGCTATTGAGTGTTC
ATGACTAGAACCAGTAAAGGCAACAGAATTGCTTGTATGTTGTACGTTGTTACCCAATGCGAAATAC
ACTTTACTTCTCACATGGAAATGCTGTTGATCTTGGTCAAATGAGCAGCTTTTACATAGGACTAGGA
TCACGGATTAATTGTAATATATTCTCATATGATTATTCTGGATATGGTGCCAGTTCGGGAAACCCACA
GAGAAGAACCTCTATGCAGACATTGAAGCTGCTTGGCTTCTTAGGACAAGATATGGCATTCCGCCT
GAAAAATGTGATTATATATGGCCAAAGTATAGGGACAGTACCGTCTGTGGATCTTGTCTGCTCGATATGAG
AGTGCTGCTGTTATTCTTCATTCTCCTCTGACTTCGGGAATGCGAGTTGCCTTTCCTGATACCAAGAAG
ACCTACTGTTTTGATGCATTCCTCAACATTGACAAAATCTCTAAGATAACCTCTCCAGTATTAATAATT
CATGGGACTGAAGATGAAGTCATTGACTTTTACATGGCCTCGCATTGTTTGAACGTTGCCAAAGACCT
GTGGAGCCTCTGGGTTGAAGGAGCAGGTCACAATGATGTGGAACCTTATGGACAGTATCTTGAAGG
TTGAAACAGTTTGTGTACAGGAACTGGTAAATTTGTA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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|                    |              |
|--------------------|--------------|
| Restriction Sites: | Sgfl-MluI    |
| ACCN:              | NM_001025780 |
| Insert Size:       | 867 bp       |



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|                               |  |
|-------------------------------|--|
| <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="#">NM_001025780.2</a></u>  |
| <b>RefSeq Size:</b>           | 3166 bp  |
| <b>RefSeq ORF:</b>            | 867 bp   |
| <b>Locus ID:</b>              | 51104  |
| <b>UniProt ID:</b>            | <u><a href="#">Q5VST6</a></u>  |
| <b>Cytogenetics:</b>          | 9q21.13  |
| <b>Protein Families:</b>      | Protease   |
| <b>MW:</b>                    | 32.2 kDa   |
| <b>Gene Summary:</b>          | <p>Hydrolyzes fatty acids from S-acylated cysteine residues in proteins (PubMed:26701913). Has depalmitoylating activity towards DLG4/PSD95 (PubMed:26701913). Has depalmitoylating activity towards GAP43 (By similarity). Has depalmitoylating activity towards MAP6 (By similarity). Has depalmitoylating activity towards NRAS (PubMed:26701913).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p> |