

Product datasheet for SC317556

FAM105B (OTULIN) (NM_138348) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | FAM105B (OTULIN) (NM_138348) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | FAM105B |
| Synonyms: | AIPDS; FAM105B; GUM |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC317556 representing NM_138348. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTCGGGGGACTATGCCCGAGCCGAGCGTGGCCAGGCGCGAGCTGCGCCGAGACGCCGGCGCGG
GAGGCGCGCGCCACGGCGCGGGACGGCGGAAGGCGCGGCCAGCGGCCAGCCGGCCCGAGATGCAG
TGCCCGGCCGAGCATGAGGAGGACATGTACCGTGTGCGAGATGAAATAGAAAAGGAGAAAGAATTGCTT
ATACATGAAAGAGGGGCATCAGAACCGAGATTAAGCGTAGCTCCTGAAATGGATATCATGGACTACTGC
AAAAAAGAATGGAGAGGAAATACACAGAAAGCAACGTGTATGAAATGGGCTATGAAGAGGTTTCTCAG
AAGTTCACCTCCATACGGCGAGTCCGTGGTGATAATTACTGTGCACTGAGGGCCACGCTGTTCCAGGCC
ATGAGCCAGGCTGTGGGCTGCCGCCCTGGCTGCAGGACCCGGAGCTCATGCTGTTACCAGAAAACTC
ATAAGCAAATACAACGGATCAAGCAATGGAACTTGGACTGAAATTTGATGGGAAGAATGAGGACCTG
GTTGATAAAATTAAGAGTCCCTTACTCTGCTGAGGAAGAAGTGGGCAGGCTTGGCTGAAATGAGAACT
GCTGAAGCAAGACAGATAGCTTGTGATGAACTATTCACAAATGAGGCGGAGGAATATAGCCTCTATGAA
GCTGTAATTTCTAATGCTAACAGAGCCATTGAACTATATAATGATAAAGAGAAAGGAAAGGAAGTA
CCATTTTCTCTGTGCTTCTGTTTGCTCGGGACACATCAAATGACCCAGGACAGCTTCTGAGGAACCAC
CTCAACCAGGTGGGACACACTGGTGGTCTTGAACAGGTTGAAATGTTCCCTTCTTGCCTATGCTGTGCGC
CACACCATCCAGGTGTACCGCTCTCCAAGTACAACACGGAAGAATTCACAGTCTACCCACCGGAC
CCACCAAGGACTGGCCAGTGGTAACGCTCATTGCTGAGGACGATCGGCCACTATAACATCCCCGTGAGA
GTGTGTGAGGAGACCACTATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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| Restriction Sites: | SgfI-MluI |
| ACCN: | NM_138348 |



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| Insert Size: | 1059 bp |
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p> |
| OTI Annotation: | 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. |
| Components: | 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). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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. |
| RefSeq: | NM_138348.4 |
| RefSeq Size: | 7896 bp |
| RefSeq ORF: | 1059 bp |
| Locus ID: | 90268 |
| UniProt ID: | Q96BN8 |
| Cytogenetics: | 5p15.2 |
| MW: | 40.3 kDa |
| Gene Summary: | <p>This gene encodes a member of the peptidase C65 family of ubiquitin isopeptidases. Members of this family remove ubiquitin from proteins. The encoded enzyme specifically recognizes and removes M1(Met1)-linked, or linear, ubiquitin chains from protein substrates. Linear ubiquitin chains are known to regulate the NF-kappa B signaling pathway in the context of immunity and inflammation. Mutations in this gene cause a potentially fatal autoinflammatory syndrome in human patients. [provided by RefSeq, Sep 2016]</p> |