

Product datasheet for **SC100495**

FAM105B (OTULIN) (NM_138348) Human Untagged Clone

Product data:

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_138348, the custom clone sequence may differ by one or more nucleotides

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ATGAGTCGGGGACTATGCCCCAGCCGAAGCGTGGCCAGGCGGAGCTGCGCCGAGACGCCGGCGCGGG
AGGCGGGCCACGGCGCGGGACGGCGGGAAGCGCGGCCAGCGGGCAGCCGCGGCCGAGATGCAGTG
CCCGGCCGAGCATGAGGAGGACATGTACCGTGCTGCAGATGAAATAGAAAAGGAGAAAGAATTGCTTATA
CATGAAAGAGGGGCATCAGAACCAGATTAAGCGTAGCTCCTGAAATGGATATCATGGACTACTGCAAAA
AAGAATGGAGAGGAAATACACAGAAAGCAACGTGTATGAAATGGGCTATGAAGAGGTTTCTCAGAAGTT
CACCTCCATACGGCGAGTCCGTGGTGATAATTACTGTGCACTGAGGGCCACGCTGTTCCAGGCCATGAGC
CAGGCTGTGGGGCTGCCGCCCTGGCTGCAGGACCCGGAGCTCATGCTGTTACCAGAAAACTCATAAGCA
AATACAACCTGGATCAAGCAATGGAACTTGGACTGAAATTTGATGGGAAGAATGAGGACCTGGTTGATAA
AATTAAGAGTCCCTTACTCTGCTGAGGAAGAAGTGGGCAGGCTTGGCTGAAATGAGAACTGCTGAAGCA
AGACAGATAGCTTGTGATGAACTATTCACAAATGAGGCGGAGGAATATAGCCTCTATGAAGCTGTAAGCA
TTCTAATGCTAAACAGAGCCATTGAACTATATAATGATAAAGAGAAAGGAAAGGAAGTACCATTTTTCTC
TGTGCTTCTGTTTGTCTCGGGACACATCAATGACCCAGGACAGCTTCTGAGGAACCACTCAACCAGGTG
GGACACACTGGTGGTCTTGAACAGGTTGAAATGTTCTTCTTGCCTATGCTGTGCCACACCATCCAGG
TGTACCGGCTCTCCAAGTACAACACGGAAGAATTCATCACAGTCTACCCACCCACCCCAAGGACTG
GCCAGTGGTAACGCTCATTGCTGAGGACGATCGGCACTATAACATCCCCGTCAGAGTGTGTGAGGAGACC
AGTCTATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138348 unedited GATATTTGTATACGACTCACTATAGGGCGGCCCGAATTCGCACGAGGGTTGATAAAAT TAAAGAGTCCCTTACTCTGCTGAGGAAGAAGTGGGCAGGCTTGGCTGAAATGAGAAGTGC TGAAGCAAGACAGATAGCTTGTGATGAATTCACAAATGAGGCGGAGGAATATAGCCT CTATGAAGCTGTAAAATTTCTAATGCTAAACAGAGCCATTGAACTATATAATGATAAAGA GAAAGGAAAGGAAGTACCATTTTTCTCTGTGCTTCTGTTTGTCTCGGGACACATCAATGA CCCAGGACAGCTTCTGAGGAACCACTCAACCAGGTGGGACACACTGGTGGTCTTGAACA GGTTGAAATGTTCTTCTTGCCTATGCTGTGCCACACCATCCAGGTGTACCGGCTCTC CAAGTACAACACGGAAGAATTCATCACAGTCTACCCACCGACCCACCAAGGACTGGCC AGTGGTAAACGCTCATTGCTGAGGACGATCGGCACTATAACATCCCGTCAGAGTGTGTGA GGAGACCAGTCTATGAGAGACGCATGCTCCTGACAGCTGNCGACGGGNCGAAGATGCACA GGTGGCTCTGGGCTTGGCTGCANGTTTNGGNGGGGGCTCTAAGAACCATCTCTGAGAAGA ACCCCTTGGCCCTGGAGCCAAGTTGGACCAGGATGCTCCTGAAGACTANCTTTTGATAA GAGAAATTAACCAAGTCTTCCCTCATCTATGATGCAAATAATTCAGNTGGGGCCCTT CAGAGCACACCTGTTTGGACGGTCCAACCATATCTTCTCCAAAAGCAAATACTTTTGTA TCAGAGAAACTCAGTTTGGAGAGGATATGTTCTTATTCTCAATCAAACCTTTCTAATGT AAACTGCTTACTTTTTAANACAGNANTTTTTTCCCTTATAGACCGGTTTTTATAATC TCCTAACAGCTGTTTACTAGACCTGAAAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_138348
Insert Size:	2400 bp
OTI Disclaimer:	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. 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
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_138348.2 , NP_612357.2

RefSeq Size: 7896 bp

RefSeq ORF: 7896 bp

Locus ID: 90268

UniProt ID: [Q96BN8](#)

Cytogenetics: 5p15.2

Gene Summary: 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]