

Product datasheet for **SC107540**

OTUD5 (NM_017602) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTUD5 (NM_017602) Human Untagged Clone
Tag:	Tag Free
Symbol:	OTUD5
Synonyms:	DUBA; MCAND
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_017602, the custom clone sequence may differ by one or more nucleotides

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ATGACTATACTCCCCAAAAGAAGCCGCCCTCCGACGCCACCCGCCAACGAGCCGCCGCCCGCCG
GGCCGATGCCCCCGCGCCGGCGCGGGAGGTGTGGCGTGGCGGGCGGCACGGCGTGGGCGG
CGGCGATCGCGACCGTGACTCCGGCGTGTGGGGCCCGTCCGCGAGCTTCGCCACCGCCTCAAGGCCCG
CTACCAGGACCGCGGGGCTCTTCATCGCTGGGCGCTGGCCGTGCCGCCTGGTGCAGTGGCGGGTCCCC
GGCCACAACAGGCTTCTCCACCTCCTTGCGGGGGCCAGGTGGTCCCGGGCGGTCCCGGCAGCGCT
GGGCGCAGCGGGCGGGTGTGGGTGCCCGGGCGTGGTGGTGGTGTGGGTGGTGGCGTAGGCGTGGG
GGCTGCTGCTCCGGGCTGGGCACAGCAAGCGGCAGCTCAAGCTCCCGGGTGGCGGGTGGCGGGG
GCAGTCCCAGCGTGAGGAGGTGGCGCAGGCTACAACAGTGAGGACGAGTATGAGGCGGTGCAGCACG
CATCGAGGCTATGGACCCTGCCACTGTCGAGCAGCAGGAGCATTGGTTTAAAAGGCCCTACGAGACAAG
AAGGGCTTCATCATCAAGCAGATGAAGGAGGATGGCGCTGTCTTCCGGGCTGTAGCTGACCAGGTGT
ATGGAGACCAGGACATGCATGAGGTTGTGCGAAAGCATTGCATGGACTATCTGATGAAGAATGCCGACTA
TTCTCCAATATGTACAGAGGACTTTACCACCTACATTAACAGGAAGCGGAAAAACAATTGCCATGGC
AACCACATTGAGATGCAGGCCATGGCAGAGATGTACAACCGTCTGTGGAGGTGTACCAGTACAGCACAG
GTACTTCTGCAGTGGAACCCATCAACACATTCCATGGGATACATCAAACGAGGACGAACCCATTGCTGT
TAGCTACCATCGGAATATCCACTATAATTCAGTGGTGAATCCTAACAAAGGCCACCATTGGTGTGGGCTG
GGCCTGCCATCATTCAAACAGGGTTTGCAGAGCAGTCTCTGATGAAGAATGCCATAAAAACATCGGAGG
AGTCATGGATTGAACAGCAGATGCTAGAAGACAAGAAACGGGCCACAGACTGGGAGGCCACAATGAAGC
CATCGAGGAGCAGGTGGCTCGGGAATCCTACCTGCAGTGGTTGCGGGATCAGGAGAAACAGGCTCGCCAG
GTCCGAGGCCCCAGCCAGCCCCGAAAGCCAGCCACATGCAGTTCGGCCACAGCAGCAGCCTCCAGT
GCCTGGAGGAGTGGACTAGCCGGTCCCCGGGCGGAGGTTACGCCTCGTACCTGAGCACCCCTGAGCT
GCATGCTGAATTGGGCATGAAGCCCCCTCCCCAGGCACTGTTTTAGCTCTTGCCAAACCTCCTCGCCC
TGTGCGCCAGGTACAAGCAGTCAGTTCTCGGCAGGGGCCAGCCGGCAACTTCCCCCTTGTGTCCCTCT
ACCCTGCTTTGGAGTGCCGGGCCCTCATTAGCAGATGTCCCCTCTGCCTTTGGTCTGAATGACTGGGA
TGATGATGAGATCCTAGCTTCGGTGTGGCAGTGTCCCAACAGGAATACCTAGACAGTATGAAGAAAAAC
AAAGTGACAGAGACCCGCCCCAGACAAGAGTTGA
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Restriction Sites: Please inquire

ACCN: NM_017602

Insert Size: 2250 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_017602.2 , NP_060072.1
RefSeq Size:	2759 bp
RefSeq ORF:	1716 bp
Locus ID:	55593
UniProt ID:	Q96G74
Cytogenetics:	Xp11.23
Protein Families:	Protease
Protein Pathways:	RIG-I-like receptor signaling pathway
Gene Summary:	<p>This gene encodes a member of the OTU (ovarian tumor) domain-containing cysteine protease superfamily. The OTU domain confers deubiquitinase activity and the encoded protein has been shown to suppress the type I interferon-dependent innate immune response by cleaving the polyubiquitin chain from an essential type I interferon adaptor protein. Cleavage results in disassociation of the adaptor protein from a downstream signaling complex and disruption of the type I interferon signaling cascade. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>