

Product datasheet for **MC228155**

Otud5 (NM_001290537) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Otud5 (NM_001290537) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Otud5
Synonyms:	AA407879; AI553596; BB114028; DUBA; DXImx46e; Sfc7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228155 representing NM_001290537
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTATTCTCCCCAAAAGAAGCCGCCACCTCCCGACGCCACCCGGCCAACGAACCGCCGCCGCCG
 GGCCGCTGCCCGCGCCTCGGCGCGGTGCGGGTGTAGGCGTGGGTGGCGGCGGCACGGGTGTGGGCGG
 AGGAGAGCGCGACCGTACTCCGGCGTCTGGGGGCCCGTCCCCGGGCTTCGCCGCCACCTCAGGGCCCG
 CTCCCGGGGCCGCTGGTCTTTCATCGTTGGGCACTGGCCGTGCCGCTGGCGCAGTCGCGGGCCCTC
 GGCCACAGCAGGCTTCTCCACCTCCTTGTGGGGCCCCGGTGGCCCCGGCGGGCTCCTGGTGACGCTCT
 TGTGGCGGGGCCAGTCCGGAACGTGAAGAGGTGCGAGCGGGCTACAACAGTGAAGACGAGTATGAAGCT
 GCCGCAGCGCAATCGAGGCCATGGATCCCGCCACTGTAGAACAGCAGGAACACTGGTTTAAAAGGCCCT
 TGCGGGACAAGAAAGGCTTCATCATCAAGCAGATGAAGGAGGACGGTGCCTGTCTATTTCCGGCTGTAGC
 TGACCAGGTGTATGGAGACCAGGACATGCATGAGGTTGTTGAAAGCATTGCATGGACTATCTGATGAAG
 AACGCTGATTACTTCTCCAATATGTACAGAAGACTTACCACCTATATCAACCGGAAGCGGAAAAACA
 ACTGCCATGGCAACCACATTGAAATGCAGGCTATGGCAGAGATGTACAACCGTCTGTGGAGGTGTATCA
 ATATAGCACAGAACCTATCAACACATTCATGGGATCCATCAAAATGAAGATGAACCCATCCGTGTCAGC
 TACCACCGGAATATCCACTATAATTCAGTGGTGAATCCTAACAAGGCCACTATTGGTGTGGGGCTGGGCC
 TACCGTCATTTAAGCCAGGGTTTGCAGAGCAGTCCCTGATGAAGAATGCCATAAAGACATCAGAAGATC
 ATGGATTGAACAGCAAAATGCTGGAAGACAAGAACGAGCTACAGACTGGGAGGCCACAAATGAGGCCATA
 GAGGAGCAGGTGGCTCGAGAATTTACCTTCAGTGGCTGAGGGATCAAGAGAAACAGGCCCGCCAGGTCC
 GGGGACCCAGCCAGCCCCGAAAGCCAGTCCACATGCAGTTCAGCCACAGCAGCAGCCTCAAGTGGCCT
 GGAGGAATGGACTAGTCGGTCCCCACGGCAACGAAGTTACGCCTCGTCACCTGAGCACCCCTGAACCTGCAT
 GCCGAGCTAGGCATTAAGCCCCCTTCCCCAGGCACTGTGTTAGCTCTTGCCAAACCTCCTTACCCTGTG
 CACCAGGTACAAGCAGTCAGTTCTCAGCAGGGGTGATCGGGCCACCTCTCCTCTGTGTCCCTCTACCC
 TGCTCTGGAGTCCCGGCCCTCATCCAGCAGATGTCCCCCTCTGCCTTTGGTCTGAATGATTGGGACGAT
 GATGAGATCCTAGCATCGGTGCTGGCAGTGTCCCAACAGGAATACCTAGACAGTATGAAGAAAAACAAG
 TGCACAGAGAGCCACCCACAGACAAGAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001290537

Insert Size: 1572 bp

OTI Disclaimer: 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:

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_001290537.1](#), [NP_001277466.1](#)

RefSeq Size: 3879 bp

RefSeq ORF: 1572 bp

Locus ID: 54644

UniProt ID: [Q3U2S4](#)

Cytogenetics: X 3.54 cM

Gene Summary: Deubiquitinating enzyme that functions as negative regulator of the innate immune system. Acts via TRAF3 deubiquitination and subsequent suppression of type I interferon (IFN) production. Has peptidase activity towards 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains. Can also cleave 'Lys-11'-linked ubiquitin chains (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) lacks an in-frame segment of the 5' coding region and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (3) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.