

Product datasheet for **MC228329**

Otud5 (NM_001290536) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Otud5 (NM_001290536) 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: >MC228329 representing NM_001290536
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTATTCTCCCCAAAAGAAGCCGCCACTCCCGACGCCACCCGGCCAACGAACCGCCGCCGCCG
 GGCCGCTGCCCCCGCGCCTCGGCGCGGTGCGGGTGTAGGCGTGGGTGGCGGCGGCACGGGTGTGGGCGG
 AGGAGAGCGCGACCGTGACTCCGGCGTCTGGGGGCCCGTCCCCGGGCTTCGCCGCCACCTCAGGGCCCG
 CCCCCGGGCGCCTGGTGTCTTCATCGTTGGGCACTGGCCGTGCCGCTGGCGCAGTCGCGGGCCCTC
 GGCCACAGCAGGCTTCTCCACTCCTTGTGGGGCCCCGGTGGCCCCGGCGGGCTCCTGGTGACGCTCT
 TGGTGGCACAACGCGGGGTGGGCGGGCAGGGGTGGTGGTGGGCGTGGTGGTACCGTGGGCGTGGG
 GGCTGTCTCGGGGCCGGGCACAGCAAGCGGCGGCGTCAAGCTCCCGCGTGGCGCAGTTGGCGGGG
 CCAGTCCGGAACGTGAAGAGGTGGGAGCGGGCTACAACAGTGAAGACGAGTATGAAGCTGCCGACGCGG
 AATCGAGGCCATGGATCCCGCCACTGTAGAACAGCAGGAACACTGGTTTAAAAGGCCTTGGGGACAAG
 AAAGGCTTCATCATCAAGCAGATGAAGGAGGACGGTGCCTGTCTATTTCCGGCTGTAGCTACCAGGTGT
 ATGGAGACCAGGACATGCATGAGGTTGTTGAAAGCATTGCATGGACTATCTGATGAAGAACGCTGATTA
 CTTCTCCAATATGTCACAGAAGACTTCACCACCTATATCAACCAGGAAAGCGGAAAAACAACCTGCCATGGC
 AACCATCAACACATTCCATGGGATCCATCAAAATGAAGATGAACCCATCCGTGTCAGCTACCACCGAA
 TATCCACTATAATTCAGTGGTGAATCCTAACAAGGCCACTATTGGTGTGGGGCTGGGCTACCGTCAAT
 AAGCCAGGGTTTGCAGAGCAGTCCCTGATGAAGAATGCCATAAAGACATCAGAAGAGTCAAGGATGAAC
 AGCAAATGCTGGAAGACAAGAAACGAGCTACAGACTGGGAGGCCACAAATGAGGCCATAGAGGAGCAGGT
 GGCTCGAGAATCTTACCTTCAGTGGCTGAGGGATCAAGAGAAACAGGCCCGCCAGGTCCGGGGACCCAGC
 CAGCCCCGAAAGCCAGTGCCACATGCAGTTCAGCCACAGCAGCAGCCTCCAGTGGCCTGGAGGAATGGA
 CTAGTCGGTCCCCACGGCAACGAAGTTCAGCCTCGTCACTGAGCACCTGAACTGCATGCCGAGCTAGG
 CATTAAAGCCCCCTCCCCAGGCACTGTGTAGCTCTTGCCAAACCTCCTTACCCTGTGCACCAGGTACA
 AGCAGTCAGTTCAGCAGGGGGTATCGGGCCACCTCTCTCTGTGTCCCTCTACCCTGCTCTGGAGT
 GCCGGGCCCTCATCCAGCAGATGCCCCCTCTGCCTTTGCAGGTCTGAATGATTGGGACGATGATGAGT
 CCTAGCATCGGTGCTGGCAGTGTCCCAACAGGAATACCTAGACAGTATGAAGAAAAACAAGTGCACAGA
 GAGCCACCCCGACAAGAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001290536
- Insert Size:** 1704 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_001290536.1](#), [NP_001277465.1](#)

RefSeq Size: 4262 bp

RefSeq ORF: 1704 bp

Locus ID: 54644

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 (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.