

Product datasheet for **RN204496**

Otud5 (NM_001037496) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Otud5 (NM_001037496) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Otud5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204496 representing NM_001037496
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTATTCTCCCCAAAAGAAGCCGCCACTCCCGACGCCACCCGGCCAACGAACCGCCGCCCGCCG
 GGCCGCTGCCCCAGCGCTCGGCGCGGTGGGGGTGTAGGCGTGGCGGGCGGCGGACGGGCGTGGGCGG
 AGGAGAGCGCGACCGTGACTCCGGCGTCGTGGGGGCCCGTCCCCGGGCTTACCACCACCTCAGGGACCG
 CTACCGGGGCCGCTGGTCTTTCATCGTTGGGCACTAGCCGTGCCGCTGGCGCAGTCGCGGGCCCTC
 GGCCACAGCAGGCTTCTCCACTCCTTGTGGGGCCCTGGTGGCCCCGGCGGCTCCCGGTGACGCTCT
 TGTGGCGGGGCCAGTCCGGAACGTGAAGAGGTCGGAGCAGGCTACAACAGCGAAGACGAATATGAAGCT
 GCTGCAGCAGGAATCGAGGCCATGGATCCCGCCACTGTAGAACAGCAGGAACACTGGTTTAAAAAGGCT
 TCGGGACAAGAAAGGCTTCATCATCAAGCAGATGAAGGAGGATGGTGCCTGTCTATTCCGGCTGTAGC
 TGACCAGGTGTATGGAGACCAGGACATGCATGAGGTTGTGCGAAAGCATTGCATGGACTATCTGATGAAG
 AATGCCGATTACTTTTCCAATATGTACAGAAGACTTACCACCTATATCAATCGGAAGCGGAAAAACA
 ACTGCCATGGGAACCACATTGAGATGCAGGCTATGGCAGAGATGTACAACCGTCCTGTGGAGGTGTATCA
 GTATAGCACAGAACCTATCAACACATTCATGGGATCCATCAAAATGAAGATGAACCCATCCGTGTCAGC
 TACCACCGGAATATCCACTATAATTCAGTGGTGAATCCTAACAAGGCCACTATTGGTGTGGGGCTGGGCC
 TGCCATCATTTAAACCAGGGTTTGCAGAGCAGTCCCTGATGAAGAATGCCATAAAGACATCAGAAGATC
 ATGGATTGAACAGCAAAATGCTGGAAGACAAGAAACGAGCTACAGACTGGGAGGCCACAAATGAGGCCATA
 GAGGAGCAGGTGGCTCGAGAATCTTACCTGCAGTGGCTGAGGGATCAAGAGAAACAGGCCCGCCAGGTCC
 GGGACCCAGCCAGCCAGGAAAGCCAGTCCACATGCAGTTCAGCCACAGCAGCAGCCTCCAGTGGCCT
 GGAGGAATGGACTAGTCGGTCCCCACGGCAACGAAGTTCAGCCTCGTCACCTGAGCACCCCTGAACCTGCAT
 GCCGAGCTAGGCATTAAGCCCCCTTCCCCAGGCACTGTGTTAGCTCTTGCCAAACCTCCTTCACCCTGTG
 CACCAGGTACAAGCAGTCAGTCTCAGCAGGGGCTGATCGGGCCACCTCTCCTCTGTGTCCCTCTACCC
 TGCTCTGGAGTGCCGGGCCCTCATCCAGCAGATGTCCCCCTCTGCCTTTGGTCTGAATGATTGGGATGAT
 GATGAGATCCTAGCATCGGTGCTGGCAGTGTCCCAACAGGAATACCTAGACAGTATGAAGAAAAACAAG
 TGCACAGAGACCCACCCAGACAAGAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001037496

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).

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:	<u>NM_001037496.1, NP_001032585.1</u>
RefSeq Size:	2632 bp
RefSeq ORF:	1572 bp
Locus ID:	363452
UniProt ID:	<u>Q2YDU3</u>
Cytogenetics:	Xq12
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]