

## Product datasheet for **MC201203**

### Otud5 (NM\_138604) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Otud5 (NM_138604) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Otud5
Synonyms:	AA407879; AI553596; BB114028; DUBA; DXImx46e; Sfc7
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC016529 sequence for NM\_138604  
 CTGAAGCCGAATCCCAGAACAGGTAGCAGAGAGCTCGGCCGGCCTTGGAGGGAGACAAGGCTGCGACCA  
 ATCCGTCTCCGTACCGTCCCCTGACTTACATCCGGGATCTCCTCTGGGCGTGACCCGCGTCCCCTG  
 TGCGGTCTCGAACCGGTGCTCTGATCTCTTTATCCAGGCCTTGCTGTTCCCGTGTGCCTCGCGCACGA  
 CCGTAGCCCCCTCATCCGGGTTCTCCTCCGGCCTTCTCCGCGTTTGCTTTGCTGTGGGGTACTTGGCGGT  
 GCCGCCATGACTATTCTCCCCAAAAGAAGCCGCCACCTCCCAGCGCCGACCCGGCCAACGAACCCCGC  
 CGCCCGGGCCGCTGCCCCCGCGCCTCGGCGCGGTGCGGGTGTAGGCGTGGGTGGCGCGGCACGGGTGT  
 GGGCGGAGGAGAGCGCGACCGTACTCCGGCGTGTGGGGGCCCTCCCGGGCTTCGCCGCCACCTCAG  
 GGCCCGCTCCCGGGCCGCTGGTGTCTTTCATCGTTGGGCACTGGCCGTGCCCGCTGGCGCAGTCGCGG  
 GCCCTCGGCCACAGCAGGCTTCTCCACCTCCTTGTGGGGGCCCGGTGGCCCCGGCGCGGTCTGGTGA  
 CGCTCTTGGTGCACAACCTGCGGGGTGGGCGCGCAGGGGTGGTGGTGGCGTGGGTGGTACCGTGGG  
 GTGGGCGGTGCTGCTCGGGGCCCGGCCACAGCAAGCGCGCGCTCAAGCTCCCGCGTTGGCGCAGTTG  
 GCGGGGCCAGTCCGAACGTGAAGAGGTGCGAGCGGGCTACAACAGTGAAGACGAGTATGAAGTGGCG  
 AGCGGAATCGAGCCATGGATCCGCCACTGTAGAACAGCAGGAACACTGGTTTAAAAGGCTTGGCG  
 GACAAGAAAGGCTTCATCATCAAGCAGATGAAGGAGGACGGTGCCTGTCTATTTCCGGCTGTAGCTGACC  
 AGGTGTATGGAGACCAGGACATGCATGAGTGTTCGAAAAGCATTGCATGGACTATCTGATGAAGAACGC  
 TGATTACTTCTCAACTATGTACAGAAGACTTACCACCTATATCAACCGGAAGCGAAAAACAACCTGC  
 CATGGCAACCACATTGAAATGCAGGCTATGGCAGAGATGTACAACCGTCTGTGGAGGTGTATCAATATA  
 GCACAGAACCTATCAACACATTCATGGGATCCATCAAAATGAAGATGAACCCATCCGTGTGAGTACCA  
 CCGGAATATCCACTATAATTCAGTGGTGAATCCTAACAAGGCCACTATTGGTGTGGGGTGGGCCTACCG  
 TCATTTAAGCCAGGGTTTGCAGAGCAGTCCCTGATGAAGAATGCCATAAAGACATCAGAAGATCATGGA  
 TTGAACAGCAAATGCTGGAAGACAAGAAACGAGCTACAGACTGGGAGGCCAAAAATGAGGCCATAGAGGA  
 GCAGTGGCTCGAGAATTTACCTTCAGTGGCTGAGGGATCAAGAGAAACAGGCCCGCCAGTCCGGGGA  
 CCCAGCCAGCCCCGAAAAGCCAGTGCCACATGCAGTTCAGCCACAGCAGCAGCCTCCAGTGGCCTGGAGG  
 AATGGACTAGTCCGTCCCCACGGCAACGAAGTTCAGCCTCGTACCTGAGCACCTGAACTGCATGCCGA  
 GCTAGGCATTAAGCCCCCTTCCCGAGGCACTGTGTAGCTCTTGCCAAACCTCCTTACCCTGTGCACCA  
 GGTACAAGCAGTCAGTTCTCAGCAGGGGTGATCGGGCCACCTCTCCTTGTGTCCCTTACCCTGCTC  
 TGGAGTCCGGGCCCTCATCCAGCAGATGTCCCCTCTGCCTTTGGTCTGAATGATTGGGACGATGATGA  
 GATCCTAGCATCGGTGCTGGCAGTGTCCAACAGGAATACCTAGACAGTATGAAGAAAAACAAGTGCAC  
 AGAGAGCCACCCAGACAAGAGTTGATGGACACCCAGGGACTGGACATCATTCCCGATCCCCACTCCT  
 GCCCTTTGATGCCACCCAACTTCTTTGGCTTTCTCCCTCTTGGCTTCTTCTTTGTTTCTTCTTTTC  
 CTTTTTTTTTCCACTTCCCTCTGGCCGCCACCCATGCGCTCCATCCATCTCATCCCTGCCACCACCA  
 TTGGTCTCTGCCAGTGAAGTGCCTATTGCCCCGCACAGCACCATCTCAGCATTCCACAGGGGACTCT  
 GGAAAGGGTGGGAAGGTAGGCAAGAGGCCACAGAGACAGACCATCTGGCAGCCAGGCAGCCCCAGAAG  
 AGAGACATTAGACAAAGGAAGTCTTCTGCTCACCTTCTTAAAGATCAGATAAACTTGTATCCCTTC  
 CCAGCAATGATGACAGGAAAATGGAAGTGGCAAGTTTTCTTCTAGTATCCGAAGAATCTGAGCCTCAA  
 TGTTAAAATTTTTCTTAATTAATTAATGTGCTTTATTTACAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_138604

**Insert Size:** 1701 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:**

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:** [BC016529](#), [AAH16529](#)

**RefSeq Size:** 2505 bp

**RefSeq ORF:** 1701 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 (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter than 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.