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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTATTCTCCCCAAAAAGAAGCCGCCACCTCCCGACGCCGACCCGGCCAACGAACCGCCGCCGCCCG
GGCCGCTGCCCCCGGCGCCTCGGCGCGGTGCGGGTGTAGGCGTGGGTGGCGGCGGCACGGGTGTGGGCGG
AGGAGAGCGCGACCGTGACTCCGGCGTCGTGGGGGCCCGTCCCCGGGCTTCGCCGCCACCTCAGGGCCCG
CTCCCGGGGCCGCCTGGTGCTCTTCATCGTTGGGCACTGGCCGTGCCGCCTGGCGCAGTCGCGGGCCCTC
GGCCACAGCAGGCTTCTCCACCTCCTTGTGGGGGCCCCGGTGGCCCCGGCGGCGGTCCTGGTGACGCTCT
TGTTGGCGGGGCCAGTCCGGAACGTGAAGAGGTCGGAGCGGGCTACAACAGTGAAGACGAGTATGAAGCT
GCCGCAGCGCGAATCGAGGCCATGGATCCCGCCACTGTAGAACAGCAGGAACACTGGTTTGAAAAGGCCT
TGCGGGACAAGAAAGGCTTCATCATCAAGCAGATGAAGGAGGACGGTGCCTGTCTATTTCGGGCTGTAGC
TGACCAGGTGTATGGAGACCAGGACATGCATGAGGTTGTTCGAAAGCATTGCATGGACTATCTGATGAAG
AACGCTGATTACTTCTCCAACTATGTCACAGAAGACTTCACCACCTATATCAACCGGAAGCGGAAAAACA
ACTGCCATGGCAACCACATTGAAATGCAGGCTATGGCAGAGATGTACAACCGTCCTGTGGAGGTGTATCA
ATATAGCACAGAACCTATCAACACATTCCATGGGATCCATCAAAATGAAGATGAACCCATCCGTGTCAGC
TACCACCGGAATATCCACTATAATTCAGTGGTGAATCCTAACAAGGCCACTATTGGTGTGGGGCTGGGCC
TACCGTCATTTAAGCCAGGGTTTGCAGAGCAGTCCCTGATGAAGAATGCCATAAAGACATCAGAAGAGTC
ATGGATTGAACAGCAAATGCTGGAAGACAAGAAACGAGCTACAGACTGGGAGGCCACAAATGAGGCCATA
GAGGAGCAGGTGGCTCGAGAATCTTACCTTCAGTGGCTGAGGGATCAAGAGAAACAGGCCCGCCAGGTCC
GGGGACCCAGCCAGCCCCGGAAAGCCAGTGCCACATGCAGTTCAGCCACAGCAGCAGCCTCCAGTGGCCT
GGAGGAATGGACTAGTCGGTCCCCACGGCAACGAAGTTCAGCCTCGTCACCTGAGCACCCTGAACTGCAT
GCCGAGCTAGGCATTAAGCCCCCTTCCCCAGGCACTGTGTTAGCTCTTGCCAAACCTCCTTCACCCTGTG
CACCAGGTACAAGCAGTCAGTTCTCAGCAGGGGGTGATCGGGCCACCTCTCCTCTTGTGTCCCTCTACCC
TGCTCTGGAGTGCCGGGCCCTCATCCAGCAGATGTCCCCCTCTGCCTTTGGTCTGAATGATTGGGACGAT
GATGAGATCCTAGCATCGGTGCTGGCAGTGTCCCAACAGGAATACCTAGACAGTATGAAGAAAAACAAAG
TGCACAGAGAGCCACCCCCAGACAAGAGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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).

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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.

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