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Product datasheet for SC326073

OTUD5 (NM_001136157) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTUD5 (NM_001136157) Human Untagged Clone
Tag:	Tag Free
Symbol:	OTUD5
Synonyms:	DUBA; MCAND
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC326073 representing NM_001136157.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTA
CCGAGGAGATCTGCCGCCGCGATCGCCGGCGCGCCC
ATGACTATACTCCCCAAAAAGAAGCCGCCGCCTCCCGACGCCGACCCCGCCAACGAGCCGCCGCCGCCC
GGGCCGATGCCCCCGGCGCCGCGGCGCGGCGGAGGTGTGGGCGTGGGCGGCGGCGGCACGGGCGTGGGC
GGCGGCGATCGCGACCGTGACTCCGGCGTCGTGGGGGCCCGTCCGCGAGCTTCGCCACCGCCTCAAGGC
CCGCTACCAGGACCGCCGGGCGCTCTTCATCGCTGGGCGCTGGCCGTGCCGCCTGGTGCAGTGGCGGGT
CCCCGGCCACAACAGGCTTCTCCACCTCCTTGCGGGGGCCCAGGTGGTCCCGGCGGCGGTCCCGGCGAC
GCGCTGGGCGCAGCGGCGGCGGGTGTGGGTGCCGCGGGCGTGGTGGTGGGTGTGGGTGGTGCCGTAGGC
GTGGGCGGCTGCTGCTCCGGGCCTGGGCACAGCAAGCGGCGACGTCAAGCTCCCGGGGTTGGCGCGGTT
GGCGGGGGCAGTCCCGAGCGTGAGGAGGTCGGCGCAGGCTACAACAGTGAGGACGAGTATGAGGCGGCT
GCAGCACGCATCGAGGCTATGGACCCTGCCACTGTCGAGCAGCAGGAGCATTGGTTTGAAAAGGCCCTA
CGAGACAAGAAGGGCTTCATCATCAAGCAGATGAAGGAGGATGGCGCCTGTCTCTTCCGGGCTGTAGCT
GACCAGGTGTATGGAGACCAGGACATGCATGAGGTTGTGCGAAAGCATTGCATGGACTATCTGATGAAG
AATGCCGACTACTTCTCCAACTATGTCACAGAGGACTTTACCACCTACATTAACAGGAAGCGGAAAAAC
AATTGCCATGGCAACCACATTGAGATGCAGGCCATGGCAGAGATGTACAACCGTCCTGTGGAGGTGTAC
CAGTACAGCACAGAACCCATCAACACATTCCATGGGATACATCAAAACGAGGACGAACCCATTCGTGTT
AGCTACCATCGGAATATCCACTATAATTCAGTGGTGAATCCTAACAAGGCCACCATTGGTGTGGGGCTG
GGCCTGCCATCATTCAAACCAGGGTTTGCAGAGCAGTCTCTGATGAAGAATGCCATAAAAACATCGGAG
GAGTCATGGATTGAACAGCAGATGCTAGAAGACAAGAAACGGGCCACAGACTGGGAGGCCACAAATGAA
GCCATCGAGGAGCAGGTGGCTCGGGAATCCTACCTGCAGTGGTTGCGGGATCAGGAGAAACAGGCTCGC
CAGGTCCGAGGCCCCAGCCAGCCCCGGAAAGCCAGCGCCACATGCAGTTCGGCCACAGCAGCAGCCTCC
AGTGGCCTGGAGGAGTGGACTAGCCGGTCCCCGCGGCAGCGGAGTTCAGCCTCGTCACCTGAGCACCCT
GAGCTGCATGCTGAATTGGGCATGAAGCCCCCTTCCCCAGGCACTGTTTTAGCTCTTGCCAAACCTCCT
TCGCCCTGTGCGCCAGGTACAAGCAGTCAGTTCTCGGCAGGGGCCGACCGGGCAACTTCCCCCCTTGTG
TCCCTCTACCCTGCTTTGGAGTGCCGGGCCCTCATTCAGCAGATGTCCCCCTCTGCCTTTGGTCTGAAT
GACTGGGATGATGATGAGATCCTAGCTTCGGTGCTGGCAGTGTCCCAACAGGAATACCTAGACAGTATG
AAGAAAAACAAAGTGCACAGAGACCCGCCCCCAGACAAGAGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: AscI-MluI

ACCN: NM_001136157

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001136157.1
RefSeq Size:	2926 bp
RefSeq ORF:	1701 bp
Locus ID:	55593
UniProt ID:	Q96G74
Cytogenetics:	Xp11.23
Protein Families:	Protease
Protein Pathways:	RIG-I-like receptor signaling pathway
MW:	60.2 kDa
Gene Summary:	This gene encodes a member of the OTU (ovarian tumor) domain-containing cysteine protease superfamily. The OTU domain confers deubiquitinase activity and the encoded protein has been shown to suppress the type I interferon-dependent innate immune response by cleaving the polyubiquitin chain from an essential type I interferon adaptor protein. Cleavage results in disassociation of the adaptor protein from a downstream signaling complex and disruption of the type I interferon signaling cascade. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Oct 2008] Transcript Variant: This variant (2) lacks an in-frame portion of an internal coding exon, compared to variant 1, resulting in a shorter protein (isoform b) compared to isoform a. Variants 2 and 3 encode the same isoform (b).