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Product datasheet for SC317493

OTUD6B (NM_016023) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTUD6B (NM_016023) Human Untagged Clone
Tag:	Tag Free
Symbol:	OTUD6B
Synonyms:	CGI-77; DUBA-5; DUBA5; IDDFSDA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317493 representing NM_016023. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGAGCCCCGGGTGAGGGTTGAGGGGTGGAAGGTGCCTACTAGCCGGTGCAGGTTTCTTCTAGCGCGT GTGCTGGGGTACCTGGTCGTCATGGAGGCGGTATTGACCGAAGAGCTTGATGAGGAAGAGCAGCTGCTG AGAAGGCATCGCAAAGAGAAGAAGGAGTTGCAAGCCAAAATTCAGGGCATGAAGAATGCTGTTCCCAAG AATGACAAGAAGAGGAGGAAGCAACTCACCGAAGATGTGGCCAAGTTGGAAAAAGAAATGGAACAGAAA CATAGAGAGGAACTGGAGCAATTGAAGCTGACTACTAAGGAGAATAAGATAGATTCTGTTGCTGTTAAC ATTTCAAACTTGGTGCTTGAGAATCAGCCACCTCGGATATCAAAAGCACAAAAGAGACGGGAAAAGAAA GCTGCATTGGAAAAGGAGCGAGAAGAACGGATAGCTGAAGCTGAAATTGAAAACTTAACAGGAGCCAGA CATATGGAAAGTGAGAAACTTGCTCAAATATTGGCAGCTAGACAGTTAGAAATTAAACAGATTCCATCT GATGGCCACTGTATGTATAAAGCCATTGAAGATCAACTGAAAGAAAAGGATTGTGCTCTGACTGTGGTT GCCTTGAGAAGTCAGACCGCTGAGTATATGCAAAGCCATGTGGAAGACTTTCTGCCATTTTTAACAAAC CCTAATACAGGAGATATGTATACTCCAGAAGAATTTCAGAAGTACTGTGAAGATATTGTAAACACAGCT GCATGGGGAGGTCAGCTTGAGCTAAGAGCTCTGTCTCACATTTTACAAACACCAATAGAGATAATACAG GCAGATTCTCCTCCCATTATAGTTGGTGAAGAATATTCAAAAAAACCACTAATACTTGTATATATGAGA CATGCATATGGCTTAGGAGAACATTATAATTCGGTTACACGGTTGGTAAACATAGTTACTGAAAATTGC AGCTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_016023
Insert Size:	972 bp

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OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_016023.3
RefSeq Size:	3306 bp
RefSeq ORF:	972 bp
Locus ID:	51633
UniProt ID:	Q8N6M0
Cytogenetics:	8q21.3
Domains:	OTU
Protein Families:	Protease
MW:	37.3 kDa

Gene Summary: This gene encodes a member of the ovarian tumor domain (OTU)-containing subfamily of deubiquitinating enzymes. Deubiquitinating enzymes are primarily involved in removing ubiquitin from proteins targeted for degradation. This protein may function as a negative regulator of the cell cycle in B cells. [provided by RefSeq, Nov 2013]
Transcript Variant: This variant (1) encodes the longer isoform (1). CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by conservation.