

Product datasheet for **SC325978**

OTUD1 (NM_001145373) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTUD1 (NM_001145373) Human Untagged Clone
Tag:	Tag Free
Symbol:	OTUD1
Synonyms:	DUBA7; OTDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC325978 representing NM_001145373.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTA
CCGAGGAGATCTGCCGCCGCGATCGCCGGCGCGCC
ATGCAGCTCTACAGCAGCGTCTGCACCCACTACCCCGCGGGGCCCCGGGTCCACGCGCCGCCGCCCC
GCGCCACCCGCCGCCGTACCCCTTCAAGGTCTCGCTGCAGCCCCGGGAGCCGCCGCCGCCGCCGCC
GAGCCCCGAGACCGGTGAGTGCCAGCCCGCGCGGCCGCGAGCACCGGAAGCCGCGCTGTCCCGCC
GCCAAGATGCCCGCCTTCTCCTCCTGCTTCGAGGTGGTGTCCGGGGCGCGCGCCGCCCTCCGCCGCC
GCCGGCCCGCGCGCGCTCCTGCAAGCCGCGCTGCCGCCGACTACACGTCCACCGCACAGATCACC
GTGCGGGCCCTGGGCGCCGACAGGCTCCTGCTGCACGGGCGCGATCCCGTTCCCGCGCCGCCGGCTCC
GCCGCTGCCCGCGCGCGCGCTGCCTCCTGCTCGCCCGCGCGCCGAGCCCCGGTCCCGCCGCCGCCG
GGCTCCTCGGCTGGCTCCTGGAGGAGTGTGCGGCCGACTGCCCGAGCCCGCGGGCTTGGACGCG
ACACGGGAGGGGCCGATCGGAATTCCGACTGAGCGAGCACGCCAGGCCCTGGCCGCCGCAAGCAC
CGAGGCCCGCGCGACCCCGGGAGCCCGATCCCGGCCCGGTCCGTGGGGCGAAGAGCACTTGGCG
GAGAGGGGCCCCAGGGGCTGGGAGAGGGCGCGCATCGCTGCGACGCGCCCGGTGGGGACGCGCGCGG
AGGCCCGACCCAGAGGCCGAGGCACCCCGCGCGGAGCATCGAGGCCGCCCGAGTAGTGCGGCGGAG
CCGGTGATCGTCTCCAGGTCCGATCCCAGAGACGAGAAGCTGGCCCTATACCTGGCCGAGGTGGAGAAG
CAGGACAAGTATCTGCGGCAGAGGAATAAGTACCGATTCCACATCATTCCAGACGGCAACTGCCTTAC
CGAGCTGTGAGCAAGACGGTGTATGGGGACGAGCCTGCACCGGGAGTTGAGGGAGCAGACGGTGAC
TACATCGCCGACCATCTCGACCACTTACGCCCCCTGATTGAGGGCGACGTGGGGGAGTTTATCATCGCT
GCTGCCAAGACGGGGCATGGGCCGGGTACCCGAGTTGCTGGCCATGGGGCAGATGCTGAATGTGAAT
ATCCATTTAACTACTGGAGGGAGGCTGGAGAGTCCACGGTGTCTACCATGATTATTATTTGGGCCA
GAGGATTCCTGAGGCCCTAGTATTTGGCTCAGTTGGCTCAGTAACGGACACTATGATGCTGATTTGAT
CACTCCTATCCTAACCCAGAGTACGACAAGTGGTCAAAACAACTCAAGTGCAAAGGAAACGCGACGAA
GAATTGCCAAATCTATGGCCATATCCTTGTCTAAATGTATATTGAACAAATGCATGCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: AscI-MluI

ACCN: NM_001145373

Insert Size: 1446 bp

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:	<u>NM_001145373.2</u>
RefSeq Size:	3125 bp
RefSeq ORF:	1446 bp
Locus ID:	220213
UniProt ID:	<u>Q5VV17</u>
Cytogenetics:	10p12.2
MW:	51.1 kDa
Gene Summary:	Deubiquitinating enzymes (DUBs; see MIM 603478) are proteases that specifically cleave ubiquitin (MIM 191339) linkages, negating the action of ubiquitin ligases. DUBA7 belongs to a DUB subfamily characterized by an ovarian tumor (OTU) domain.[supplied by OMIM, May 2008]