

Product datasheet for **SC331043**

YOD1 (NM_001276320) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YOD1 (NM_001276320) Human Untagged Clone
Tag:	Tag Free
Symbol:	YOD1
Synonyms:	DUBA8; OTUD2; PRO0907
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331043 representing NM_001276320. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAACATTACATATAATTTATTGAGAAGCAAAGTCTTTACAGTGGAGGGGCTGCCAGCCGGACC
 CGGGTGC GGGAACCTCAGGGCCAAATTGCCGCATCACCAGGATCGCCCCGGCGGTGAGCGAATCCTC
 GTCGGATACCTCCCGAGTGCCTGGATCTCAGCAATGGGATACCATCTGGAAGACTTGCCCATCCAA
 TCTGGTGACATGCTGATCATTGAAGAAGACCAACCAGGCCAGAAGTTCACCTGCATTTACTAAACGT
 GGTGCTTCTAGTTACGTCAGGGAACCTTGCCTGTGCTTACCAGAACCGTGGTCCCAGCAGACAACCTCT
 TGCTCTTTACTAGTGTGTACTATGTGCTCGAAGGAGGAGTCTTGAATCCAGCTTGTGCCCTGAGATG
 AGACGCCTCATAGCACAATTGTAGCAAGCGATCCAGACTTCTATAGTGAGGCAATACTGGGAAAAACA
 AATCAAGAGTACTGTGACTGGATCAAAAGGATGACACTTGGGGAGGAGCAATAGAGATATCGATTTTG
 TCCAAGTTTTACCAATGTGAAATATGTGTAGTGGATACACAGACAGTAAGAATTGATCGTTTTGGGGAA
 GATGCAGGATATACCAAAAGGGTTCTGCTTATTTATGATGGCATCCACTATGATCCACTTCAGCGTAAC
 TTCCCTGATCCAGATACACCTCCTCTGACCATTTCTCCTCTAATGATGATATTGTTCTTGTACAAGCA
 CTGGAATTAGCAGATGAAGCTAGAAGAAGGAGACAGTTTACTGATGTCAACCGCTTCACCTGAGATGC
 ATGGTATGTCAGAAAGGATTAAGTGGACAAGCAGAAGCAAGGGAACATGCCAAGGAGACAGGCCATACC
 AACTTTGGAGAAGTGTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001276320
Insert Size:	915 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).


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Reconstitution Method:	<ol style="list-style-type: none"> 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_001276320.1</u>
RefSeq Size:	6291 bp
RefSeq ORF:	915 bp
Locus ID:	55432
UniProt ID:	<u>Q5VWQ6</u>
Cytogenetics:	1q32.1
Protein Pathways:	Biosynthesis of unsaturated fatty acids, Limonene and pinene degradation
MW:	34 kDa
Gene Summary:	<p>Protein ubiquitination controls many intracellular processes, including cell cycle progression, transcriptional activation, and signal transduction. This dynamic process, involving ubiquitin conjugating enzymes and deubiquitinating enzymes, adds and removes ubiquitin. Deubiquitinating enzymes are cysteine proteases that specifically cleave ubiquitin from ubiquitin-conjugated protein substrates. The protein encoded by this gene belongs to a DUB subfamily characterized by an ovarian tumor (OTU) domain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]</p> <p>Transcript Variant: This variant (2) contains alternate exons in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and 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.</p>