

## Product datasheet for **RC232439**

### **YOD1 (NM\_001276320) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** YOD1 (NM\_001276320) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** YOD1  
**Synonyms:** DUBA8; OTUD2; PRO0907  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC232439 representing NM\_001276320  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAACATTACATATAATTTATTCAGAAGCAAAGTCTTTTACAGTGGAGGGGCTGCCAGCCGGACCC  
 GGGTGCGGGAACCCAGGGCCAAATTGCCGCCATCACCGGATCGCCCCGGCGGTGAGCAATCCTCGT  
 CGGATACCCTCCCGAGTGCCTGGATCTCAGCAATGGGGATACCATTCTGGAAGACTTGCCATCCAATCT  
 GGTGACATGCTGATCATTGAAGAAGACCAACCAGGCCAGAAAGTTCACCTGCATTTACTAAACGTGGT  
 CTCTAGTTACGTCAGGAAACTTTGCCTGTGCTTACCAGAACCCTGGTCCCAGCAGACAACCTTTGCCCT  
 CTTTACTAGTGTACTATGTCGTGAAGGAGGAGTCTTGAATCCAGCTTGTGCCCTGAGATGAGACGC  
 CTCATAGCACAAATTGTAGCAAGCGATCCAGACTTCTATAGTGAGGCAATACTGGGAAAAACAAATCAAG  
 AGTACTGTGACTGGATCAAAAGGGATGACACTTGGGGAGGAGCAATAGAGATATCGATTTTGTCCAAGTT  
 TTACCAATGTGAAATATGTGTAGTGATACACAGACAGTAAGAATTGATCGTTTTGGGGAAGATGCAGGA  
 TATACAAAAGGGTTCTGCTTATTTATGATGCCATCCACTATGATCCACTTCAGCGTAACCTCCCTGATC  
 CAGATACACCTCCTCGACCATTTCTCCTCTAATGATGATATTGTTCTGTACAAGCACTGGAATTAGC  
 AGATGAAGCTAGAAGAAGGAGACAGTTTACTGATGTCAACCGCTTACCCTGAGATGCATGGTATGTCAG  
 AAAGGATTAACCTGGACAAGCAGAAGCAAGGAACATGCCAAGGAGACAGGCCATACCAACTTTGGAGAAG  
 TG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232439 representing NM\_001276320  
 Red=Cloning site Green=Tags(s)

METLHIIYSEAKSFTVEGLSSRTRVRELQGQIAAITGIAPGGQRILVGYPPECLDLSNGDTILEDLPIQS  
 GDMLIIIEEDQTRPRSSPAFTKRGASSYVRETLPLVTRTVVPADNSCLFSTVYVVVEGGVLPACAPEMRR  
 LIAQIVASDPDFYSEAILGKTNQEYCDWIKRDDTWGGAIEISILSKFYQCEICVVDQTQVTRIDRFGEDAG  
 YTKRVLLIYDGIHYDPLQRNFPDPTPLTIFSSNDDIVLVQALELADEARRRRQFTDVNRFTLRMCVQC  
 KGLTGQAEAREHAKETGHTNFGEV

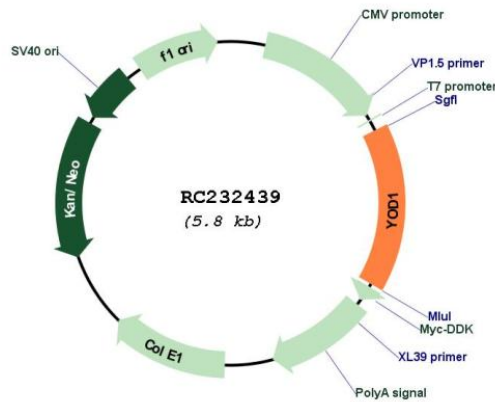
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001276320

**ORF Size:** 912 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001276320.1</a> , <a href="#">NP_001263249.1</a>
<b>RefSeq Size:</b>	6291 bp
<b>RefSeq ORF:</b>	915 bp
<b>Locus ID:</b>	55432
<b>UniProt ID:</b>	<a href="#">Q5VWQ6</a>
<b>Cytogenetics:</b>	1q32.1
<b>Protein Pathways:</b>	Biosynthesis of unsaturated fatty acids, Limonene and pinene degradation
<b>MW:</b>	34.4 kDa
<b>Gene Summary:</b>	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]