

## Product datasheet for RC212788

### YOD1 (NM\_018566) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	YOD1 (NM_018566) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	YOD1
Synonyms:	DUBA8; OTUD2; PRO0907
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212788 representing NM_018566 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTGGCCCCGCTAAAGGTCGCCATTTGGAGTCCACCCGGCGCCTGGTTTCCCCGGCGGCGTCTCCC  
AACAGGCTGCCGGGACCAAAGCTGGCCCCGCGGTGCCTGGCCTGTGGCAGCCGGACCGACACGATGTG  
GCGGCTCCGCTGCAAGGCCAAGGACGGCACCCATGTTTTGCAGGGGCTGCCAGCCGGACCCGGGTGCGG  
GAACTCCAGGGCCAAATTGCCGCATCACCGGATCGCCCCGGCGGTCCAGCGAATCCTCGTCGGATACC  
CTCCCAGTGCCTGGATCTCAGCAATGGGGATACCATTTGGAAGACTTGCCCATCCAATCTGGTGACAT  
GCTGATCATTGAAGAAGACCAAACCAGGCCAGAAAGTTACCTGCATTTACTAAACGTGGTGCTTCTAGT  
TACGTCAGGAACTTTGCTGTGCTTACCAGAACCGTGGTCCCAGCAGACAACCTTTGCTCTTTACTA  
GTGTGACTATGTCGTCGAAGGAGGAGTCTTGAATCCAGCTTGTGCCCTGAGATGAGACGCCTCATAGC  
ACAAATTTAGCAAGCGATCCAGACTTCTATAGTGAGGCAATACTGGGAAAAACAAATCAAGAGTACTGT  
GACTGGATCAAAAGGGATGACACTTGGGGAGGAGCAATAGAGATATCGATTTTGTCCAAGTTTTACCAAT  
GTGAAATATGTGTAGTGGATACACAGACAGTAAGAATTGATCGTTTTGGGAAGATGCAGGATATACCAA  
AAGGTTCTGCTTATTTATGATGGCATCCACTATGATCCACTTCAGCGTAACTTCCCTGATCCAGATACA  
CCTCCTGACCATTTTCTCCTAATGATGATATTGTTCTGTACAAGCACTGGAATTAGCAGATGAAG  
CTAGAAGAAGGAGACAGTTTACTGATGTCAACCGCTTACCCTGAGATGCATGGTATGTCAGAAAGGATT  
AACTGGACAAGCAGAAGCAAGGGAACATGCCAAGGAGACAGGCCATACCAACTTTGGAGAAGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC212788 representing NM\_018566  
Red=Cloning site Green=Tags(s)

MFGPAKGRHFGVHPAPGFPGGVSQQAAGTKAGPAGAWPVGSRTDTMWRLRCKAKDGHVQLQGLSSRTRVR  
 ELQGQIAAITGIAPGGQRILVGYPECLDLSNGDTILEDLPIQSGDMLIIEEDQTRPRSSPAFTKRGASS  
 YVRETLVPLTRTVVPADNSCLFTSVYYYVVEGGVLPACAPEMRRLIAQIVASDPDFYSEAILGKTNQEYC  
 DWIKRDDTWGGAIEISILSKFYQCEICVVDTQTVRIDRFGEDAGYTKRVLLIYDGIHYDPLQRNFPDPT  
 PPLTIFSSNDDIVLVQALELADEARRRRQFTDVNRFTLRMVCQKGLTGQAEAREHAKETGHTNFGEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1311\\_a02.zip](https://cdn.origene.com/chromatograms/ja1311_a02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_018566

**ORF Size:** 1044 bp

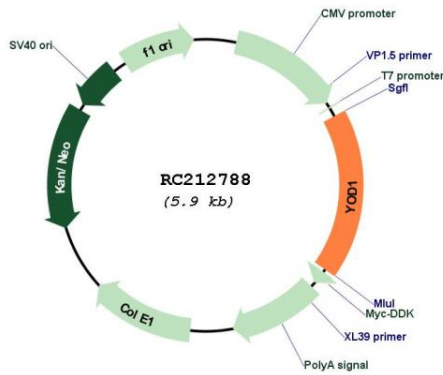
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

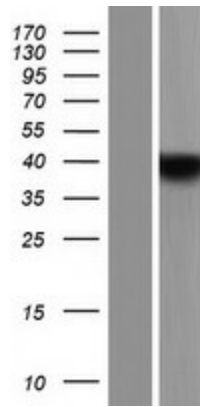
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_018566.3, NP_061036.3</u>
<b>RefSeq Size:</b>	6265 bp
<b>RefSeq ORF:</b>	1047 bp
<b>Locus ID:</b>	55432
<b>UniProt ID:</b>	<u>Q5VVQ6</u>
<b>Cytogenetics:</b>	1q32.1
<b>Protein Pathways:</b>	Biosynthesis of unsaturated fatty acids, Limonene and pinene degradation
<b>MW:</b>	38.1 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]

Product images:



Circular map for RC212788



Western blot validation of overexpression lysate (Cat# [LY413000]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212788 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).