## PRODUCT INFORMATION

## Catalog number

ATGD0352

## Product type

cDNA
Species
Human

## NCBI Accession No.

NP_061036.3

## Alternative Names

DUBA8, OTUD2, PRO0907
mRNA Refseq
NM_018566.3

## OMIM

612023

## Chromosome location

1q32.2

## PRODUCT SPECIFICATION

## Formulation

Lyophilized

## Storage

Store the plasmid at -20C.
cDNA Size
1047bp

## Preparation before usage

1. Centrifuge at 7000 rpm for 1 minute.
2. Carefully open the vial and add 100 ul of sterile water to dissolve the DNA.

Each tube contains approximately 10 ug of lyophilized plasmid.

## Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector
pATGen (puc19-derived cloning vector)

## General Description

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YOD1 is a highly conserved deubiquitinating enzyme of the ovarian tumor (otubain) family, whose function has yet to be assigned in mammalian cells. YOD1 is a constituent of a multiprotein complex with p97 as its nucleus, suggesting a functional link to a pathway responsible for the dislocation of misfolded proteins from the endoplasmic reticulum. Expression of a YOD1 variant deprived of its deubiquitinating activity imposes a halt on the dislocation reaction, as judged by the stabilization of various dislocation substrates.

## DATA

## Sequence nucleotides

ATGTTTGGCCCCGCTAAAGGTCGCCATTTTGGAGTCCACCCGGCGCCTGGTTTCCCCGGCGGCGTCTCCCAACAGGCTGCC GGGACCAAAGCTGGCCCCGCGGGTGCCTGGCCTGTGGGCAGCCGGACCGACACGATGTGGCGGCTCCGCTGCAAGGCCA AGGACGGCACCCATGTITTGCAGGGGCTGTCCAGCCGGACCCGGGTGCGGGAACTCCAGGGCCAAATTGCCGCCATCACC GGGATCGCCCCCGGCGGTCAGCGAATCCTCGTCGGATACCCTCCCGAGTGCCTGGATCTCAGCAATGGGGATACCATTCTG GAAGACTTGCCCATCCAATCTGGTGACATGCTGATCATTGAAGAAGACCAAACCAGGCCCAGAAGTTCACCTGCATTACTA AACGTGGTGCTTCTAGTTACGTCAGGGAAACTTTGCCTGTGCTTACCAGAACCGTGGTCCCAGCAGACAACTCTTGCCTCTT TACTAGTGTGTACTATGTCGTCGAAGGAGGAGTCTTGAATCCAGCTTGTGCCCCTGAGATGAGACGCCTCATAGCACAAATT GTAGCAAGCGATCCAGACTTCTATAGTGAGGCAATACTGGGAAAAACAAATCAAGAGTACTGTGACTGGATCAAAAGGGAT GACACTTGGGGAGGAGCAATAGAGATATCGATTTTGTCCAAGTTTTACCAATGTGAAATATGTGTAGTGGATACACAGACAG TAAGAATTGATCGTTTGGGGAAGATGCAGGATATACCAAAAGGGTTCTGCTTATTTATGATGGCATCCACTATGATCCACTT CAGCGTAACTTCCCTGATCCAGATACACCTCCTCTGACCATTTTCTCСTCTAATGATGATATTGTTCTTGTACAAGCACTGGA ATTAGCAGATGAAGCTAGAAGAAGGAGACAGTTTACTGATGTCAACCGCTTCACCCTGAGATGCATGGTATGTCAGAAAGG ATTAACTGGACAAGCAGAAGCAAGGGAACATGCCAAGGAGACAGGCCATACCAACTTTGGAGAAGTGTGA

## Transaction Sequence

MFGPAKGRHF GVHPAPGFPG GVSQQAAGTK AGPAGAWPVG SRTDTMWRLR CKAKDGTHVL QGLSSRTRVR ELQGQIAAIT GIAPGGQRIL VGYPPECLDL SNGDTILEDL PIQSGDMLII EEDQTRPRSS PAFTKRGASS YVRETLPVLT RTVVPADNSC LFTSVYYVVE GGVLNPACAP EMRRLIAQIV ASDPDFYSEA ILGKTNQEYC DWIKRDDTWG GAIEISILSK FYQCEICVVD TQTVRIDRFG EDAGYTKRVL LIYDGIHYDP LQRNFPDPDT PPLTIFSSND DIVLVQALEL ADEARRRRQF TDVNRFTLRC MVCQKGLTGQ AEAREHAKET GHTNFGEV

