

YOD1 cDNA

Catalog Number: ATGD0352

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 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug 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

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ATGTTTGGCCCCGCTAAAGGTCGCCATTTTGGAGTCCACCCGGCGCCTGGTTTCCCCGGCGGGCTCTCCAACAGGCTGCC
GGGACCAAAGCTGGCCCCGCGGGTGCCTGGCCTGTGGGCAGCCGGACCGACACGATGTGGCGGGCTCCGCTGCAAGGCCA
AGGACGGCACCCATGTTTTGCAGGGGCTGTCCAGCCGGACCCGGGTGCGGGAACCTCCAGGGCCAAATTGCCGCCATCACC
GGGATCGCCCCCGCGGGTCAAGCAATCCTCGTCGGATACCCTCCCGAGTGCCTGGATCTCAGCAATGGGGATAACCATCTG
GAAGACTTGCCCATCCAATCTGGTGACATGCTGATCATTGAAGAAGACCAAACCAGGCCAGAAAGTTACCTGCATTTACTA
AACGTGGTGCTTCTAGTTACGTCAGGGAAACTTTGCCTGTGCTTACCAGAACCGTGGTCCCAGCAGACAACCTTTGCCTCTT
TACTAGTGTGTACTATGTCGTCGAAGGAGGAGTCTTGAATCCAGCTTGTGCCCTGAGATGAGACGCCTCATAGCACAAATT
GTAGCAAGCGATCCAGACTTCTATAGTGAGGCAATACTGGGAAAAACAAATCAAGAGTACTGTGACTGGATCAAAGGGAT
GACACTTGGGGAGGAGCAATAGAGATATCGATTTTGTCCAAGTTTTACCAATGTGAAATATGTGTAGTGGATACACAGACAG
TAAGAATTGATCGTTTTGGGGAAGATGCAGGATATACCAAAGGGTTCTGCTTATTTATGATGGCATCCACTATGATCCACTT
CAGCGTAACTTCCCTGATCCAGATACACCTCCTCTGACCATTTTCTCCTCTAATGATGATATTGTTCTTGTACAAGCACTGGA
ATTAGCAGATGAAGCTAGAAGAAGGAGACAGTTTACTGATGTCAACCGCTTACCCTGAGATGCATGGTATGTCAGAAAGG
ATTAAGTGGACAAGCAGAAGCAAGGGAACATGCCAAGGAGACAGGCCATACCAACTTTGGAGAAGTGTGA
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Transaction Sequence

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MFGPAKGRHF GVHPAPGFPV GVSQQAAGTK AGPAGAWPVG SRTDTMWRLR CKAKDGTHVL QGLSSRTRVR
ELQGQIAAIT GIAPGGQRIL VGYPPECLDL SNGDTILEDL PIQSGDMLII EEDQTRPRSS PAFTKRGASS YVRETLPLVT
RTVVPADNSC LFTSVYYVVE GGVLNPACAP EMRRLIAQIV ASDPDFYSEA ILGKTNQEYC DWIKRDDTWG GAIEISILSK
FYQCEICVVD TQTVRIDRFV EDAGYTKRVL LIYDGIHYDP LQRNFPDPT PPLTIFSSND DIVLVQALEL ADEARRRRQF
TDVNRFTLRC MVCQKGLTGQ AEAREHAKET GHTNFGEV
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