YOD1 cDNA

Catalog Number: ATGD0352

PRODUCT INFORMATION

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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

ATGTTTGGCCCCGCTAAAGGTCGCCATTTTGGAGTCCACCCGGCGCCTGGTTTCCCCGGCGGCGTCTCCCAACAGGCTGCC
GGGACCAAAGCTGGCCCCGCGGGTGCCTGGCCTGTGGGCAGCCGGACCGACACGATGTGGCGGCTCCGCTGCAAGGCCA
AGGACGGCACCCATGTTTTGCAGGGGCTGTCCAGCCGGACCCGGGTGCGGGAACTCCAGGGCCAAATTGCCGCCATCACC
GGGATCGCCCCCGGCGGTCAGCGAATCCTCGTCGGATACCCTCCCGAGTGCCTGGATCTCAGCAATGGGGATACCATTCTG
GAAGACTTGCCCATCCAATCTGGTGACATGCTGATCATTGAAGAAGACCAAACCAGGCCCAGAAGTTCACCTGCATTTACTA
AACGTGGTGCTTCTAGTTACGTCAGGGAAACTTTGCCTGTGCTTACCAGAACCGTGGTCCCAGCAGACAACTCTTGCCTCTT
TACTAGTGTGTACTATGTCGTCGAAGGAGGAGTCTTGAATCCAGCTTGTGCCCCTGAGATGAGACGCCTCATAGCACAAATT
GTAGCAAGCGATCCAGACTTCTATAGTGAGGCAATACTGGGAAAAACAAATCAAGAGTACTGTGACTGGATCAAAAGGGAT
GACACTTGGGGAGGAGCAATAGAGATATCGATTTTGTCCAAGTTTTACCAATGTGAAATATGTGTAGTGGATACACAGACAG
TAAGAATTGATCGTTTTGGGGAAGATGCAGGATATACCAAAAGGGTTCTGCTTATTTATGATGGCATCCACTATGATCCACTT
CAGCGTAACTTCCCTGATCCAGATACACCTCCTCTGACCATTTTCTCCTCTAATGATGATATTGTTCTTGTACAAGCACTGGA
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