

AR50843PU-S

Human YOD1 (1-348, His-tag) - Purified

Alternate names:

DUBA-8, DUBA8, HIN-7, HIN7, HIV-1-induced protease 7, OTU domain-containing protein 2, OTUD2, Ubiquitin thioesterase OTU1

Quantity:

20 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q5VVQ6](#)

NCBI:

[NP_061036](#)

GeneID:

[55432](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

Description:

Recombinant human YOD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSFMPAKG RHFGVHPAPG FPGGVSQQA GTKAGPAGAW
PVGSRTDTMW RLRCKAKDGT HVLQGLSSRT RVRELQGGIA AITGIAPGGQ RILVGYPPEC
LDLSNGDTIL EDLPISQSDM LIIEDQTRP RSSPAFTKRG ASSYVRETLP VLTRTVVPAD
NSCLFTSVYY VVEGGVLNPA CAPEMRRLIA QIVASDPDFY SEAILGKTNQ EYCDWIKRDD
TWGGAIEISI LSKFYQCEIC VVDQTIVRID RFGEDAGYTK RVLLIYDGIH YDPLQRNFPD
PDTPLTIFS SNDDIVLVQA LELADEARRR RQFTDVNRFT LRCMVCQKGL TGQAEAREHA
KETGHTNFGE V

Molecular weight: 40.7 kDa (371aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Ernst,R., et al. (2009) Mol. Cell 36 (1), 28-38

Pictures:

