

## Recombinant Human YOD1 Protein (F2-V348), His tagged

Cat. No. YOD1-0542H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human 6His-TEV-GG-OTUD2(F2-V348 end) Protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	F2-V348
<b>Description</b>	Hydrolase that can remove conjugated ubiquitin from proteins and participates in endoplasmic reticulum-associated degradation (ERAD) for misfolded luminal proteins. May act by trimming the ubiquitin chain on the associated substrate to facilitate their threading through the VCP/p97 pore. Ubiquitin moieties on substrates may present a steric impediment to the threading process when the substrate is transferred to the VCP pore and threaded through VCP's axial channel. Mediates deubiquitination of 'Lys-27'-, 'Lys-29'- and 'Lys-33'-linked polyubiquitin chains. Also able to hydrolyze 'Lys-11'-linked ubiquitin chains. Cleaves both polyubiquitin and di-ubiquitin. May play a role in macroautophagy, regulating for instance the clearance of damaged lysosomes. May recruit PLAA, UBXN6 and VCP to damaged lysosome membranes decorated with K48-linked ubiquitin chains and remove these chains allowing autophagosome formation.
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 0.01 EU per

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	µg of the protein
<b>Purity</b>	80%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Supplied as sterile. 20mM Tris-HCl (pH 8.0), 150mM NaCl, 10% glycerol
<b>Shipping</b>	It is shipped out with blue ice.

## GENE INFORMATION

<b>Gene Name</b>	YOD1 YOD1 OTU deubiquinating enzyme 1 homolog ( <i>S. cerevisiae</i> ) [ Homo sapiens (human) ]
<b>Official Symbol</b>	YOD1
<b>Synonyms</b>	DUBA8; OTUD2; PRO0907; RP11-164O23.1
<b>Gene ID</b>	55432
<b>mRNA Refseq</b>	NM_018566
<b>Protein Refseq</b>	NP_061036
<b>MIM</b>	612023

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UniProt ID

Q5VVQ6

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