Recombinant Human YOD1 Protein (F2-V348), Tag Free

Cat. No. YOD1-0541H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-OTUD2(F2-V348 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	F2-V348
Description	Hydrolase that can remove conjugated ubiquitin from proteins and participates in endoplasmic reticulum-associated degradation (ERAD) for misfolded lumenal proteins. May act by triming 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.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	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.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	YOD1 YOD1 OTU deubiquinating enzyme 1 homolog (S. cerevisiae) [Homo sapiens (human)]
Official Symbol	YOD1
Synonyms	DUBA8; OTUD2; PRO0907; RP11-164O23.1
Gene ID	55432
mRNA Refseq	NM_018566
Protein Refseq	NP_061036
MIM	612023
UniProt ID	Q5VVQ6

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