Datasheet for ABIN7550330

YOD1 Protein (AA 1-348) (His tag)

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Overview

Quantity:	1 mg
Target:	YOD1
Protein Characteristics:	AA 1-348
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This YOD1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat YOD1 Protein expressed in mammalien cells.
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 **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalien cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	YOD1
Alternative Name:	YOD1 (YOD1 Products)
Background:	Ubiquitin thioesterase OTU1 (EC 3.4.19.12) (DUBA-8) (HIV-1-induced protease 7) (HIN-7) (HsHIN7) (OTU domain-containing protein 2),FUNCTION: 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 (PubMed:27753622). {ECO:0000269|PubMed:19818707, ECO:0000269|PubMed:23827681, ECO:0000269|PubMed:27753622}.

Target Details

Molecular Weight:	38.3 kDa
UniProt:	Q5VVQ6
Pathways:	ER-Nucleus Signaling

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

