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Datasheet for ABIN5710602

USP14 Protein (AA 1-494, full length) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	USP14
Protein Characteristics:	full length, AA 1-494
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP14 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MPLYSVTVKW GKEKFEGVEL NTDEPPMVFK AQLFALTGVQ PARQKVMVKG GTLKDDDDWGN IKIKNGMTLL MMGSADALPE EPSAKTVFVE DMTEEQLASA MELPCGLTNL GNTCYMNATV QCIRSVPELK DALKRYAGAL RASGEMASQA YITAALRDLF DSMDKTSSSI PPIILLQFLH MAFPQFAEKG EQGQYLQDA NECWIQMMRV LQQKLEAIED DSVKETDSSS ASAATPSKKK SLIDQFFGVE FETTMKCTES EEEEEVTGKKE NQLQLSCFIN QEVKYLFTGL KLRLQEEITK QSPTLQRNAL YIKSSKISRL PAYLTIQMVR FFYKEKESVN AKVLKDVKFP LMLDMYELCT PELQEKMVSF RSKFKDLEDK KVNQQPNTSD KKSSPQKEVK YEPFSFADDI GSNNGGYDL QAVLTHQGRS SSSGHYVSWV KRKQDEWIKF DDDKVSIVTP EDILRLSGGG DWHIAYVLLY GPRRVEIMEE ESEQ
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

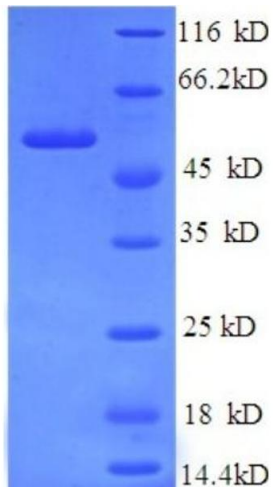
Target:	USP14
Alternative Name:	UBP14 (USP14 Products)
Background:	<p>Proteasome-associated deubiquitinase which releases ubiquitin from the proteasome targeted ubiquitinated proteins. Ensures the regeneration of ubiquitin at the proteasome. Is a reversibly associated subunit of the proteasome and a large fraction of proteasome-free protein exists within the cell. Required for the degradation of the chokine receptor CXCR4 which is critical for CXCL12-induced cell chotaxis. Serves also as a physiological inhibitor of endoplasmic reticulum-associated degradation (ERAD) under the non-stressed condition by inhibiting the degradation of unfolded endoplasmic reticulum proteins via interaction with ERN1. Indispensable for synaptic development and function at neuromuscular junctions (NMJs).</p>
Molecular Weight:	60.1 kDa
UniProt:	P54578

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C, 4 °C, -20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.