

Ubiquitin carboxyl-terminal hydrolase 14 Recombinant Protein | USP14 recombinant protein

Recombinant Human Ubiquitin carboxyl-terminal hydrolase 14

CATALOG # AAA113525	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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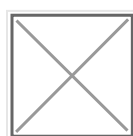
PRODUCT SYNONYMS

Ubiquitin carboxyl-terminal hydrolase 14; Recombinant Human Ubiquitin carboxyl-terminal hydrolase 14; Deubiquitinating enzyme 14; Ubiquitin thioesterase 14; Ubiquitin-specific-processing protease 14; USP14 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-494aa; Full Length
Sequence	MPLYSVTVKW GKEKFEGVEL NTDEPPMVFK AQLFALTGVQ PARQKVMVKG GTLKDDDWGN IKIKNGMTLL MMGSADALPE EPSAKTVFVE DMTEQLASA MELPCGLTNL GNTCYMNATV QCIRSVPELK DALKRYAGAL RASGEMASQ YITAALRDLF DSMDKTSSSI PPIILLQLH MAFPPQAEKG EQGQYLQDA NECWIQMMRV LQQKLEAIED DSVKETDSSS ASAATPSKKK SLIDQFFGVE FETTMKCTES EEEVTKGKE NQLQLSCFIN QEVKYLFTGL KLRLQEEITK QSPTLQRNAL YIKSSKISRL PAYLTIQMVR FFYKEKESVN AKVLKDVKFP LMLDMYELCT PELQEKMVSF RSKFKDLEDK KVNQQPNTSD KKSSPQKEVK YEPFSFADDI GSNNCGYIDL QAVLTHQGRS SSSGHYVSWV KRKQDEWIKF DDDKVSIVTP EDILRLSGGG DWHIAYVLLY GPRRVEIMEE ESEQ
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for USP14 recombinant protein	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 chemotaxis. 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).
Product Categories/Family for USP14 recombinant protein	Epigenetics and Nuclear Signaling

References

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NCBI AND UNIPROT INFORMATION

NCBI GI #	82880645
NCBI GeneID	9097
NCBI Accession #	NP_001032411.1

NCBI GenBank Nucleotide #	NM_001037334.1
UniProt Accession #	P54578 ; Q53XY5 ; B7Z4N8 ; J3QRZ5
Molecular Weight	60.1 kDa
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 14 isoform b
NCBI Official Synonym Full Names	ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)
NCBI Official Symbol	USP14
NCBI Official Synonym Symbols	TGT
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 14
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 14
UniProt Gene Name	USP14
UniProt Synonym Gene Names	TGT
UniProt Entry Name	UBP14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

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