



# Recombinant Human Ubiquitin carboxyl-terminal hydrolase 1 (USP1)

<b>Product Code</b>	CSB-EP025695HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O94782
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MPGVIPSESN GLSRGSPSKK NRLSLKFFQK KETKRALDFT DSQENEEKAS  EYRASEIDQV VPAAQSSPIN CEKRELLLPF VGLNNLGNTC YLNSILQVLY  FCPGFKSGVK HLFNIISRKK EALKDEANQK DKGNCCKEDSL ASYELICSLQ  SLIISVEQLQ ASFLLNPEKY TDELATQPRR LLNTLRELNP MYEGYLQHDA  QEVLQCILGN IQETCQLLKK EEVKNVAELP TKVEEIPHPK EEMNGINSIE  MDSMRHSEDF KEKLPKGNKGK RKSDTEFGNM KKKVKLSKEH  QSLEENQRQT RSKRKATSDT LESPPKIIPK YISENESPRP SQKKSrvKIN  WLKSATKQPS ILSKFCSLGK ITTNQGVKGQ SKENECdPEE DLGKCESDNT  TNGCGLESPG NTVTPVNVNE VKPINKGEEQ IGFELVEKLF QGQLVLRTRC  LECESLTERR EDFQDISVPV QEDELskVEE SSEISPEPKT EMKTLRWais  QFASVERIVG EDKYFCENCH HYTEAERSLL FDKMPEVITI HLKCFaASGL  EFDCYGGGLS KINTPLLTPL KLSLEEWSTK PTNDSYGLFA VVMHSGITIS  SGHYTASVKV TDLNSLELDK GNFVVDQMCE IGKPEPLNEE EARGVVENYN  DEEVSIRVGG NTQPSKVLNK KNVEAIGLLG GQKSKADYEL YNKASNPDKV  ASTAFAENRN SETSDTTGTH ESDRNKESSD QTGINISGFE NKISYVVQSL  KEYEGKWLLF DDSEVKVTEE KDFLNSLSPS TSPTSTPYLL FYKKL</p>
<b>Source</b>	E.coli
<b>Target Names</b>	USP1
<b>Protein Names</b>	<p>Recommended name: Ubiquitin carboxyl-terminal hydrolase 1 EC= 3.4.19.12  Alternative name(s): Deubiquitinating enzyme 1 Short name= hUBP Ubiquitin thioesterase 1 Ubiquitin-specific-processing protease 1</p>
<b>Expression Region</b>	1-785
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitylated proteins. The protein specifically deubiquitinates a protein in the Fanconi anemia (FA) DNA repair pathway.



Alternate transcriptional splice variants have been characterized.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.