



Recombinant Human Ubiquitin carboxyl-terminal hydrolase 1 (USP1)

Product Code	CSB-MP025695HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O94782
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p>MPGVIPSESN GLSRGSPSKK NRLSLKFFQK KETKRALDFT DSQENEEKAS EYRASEIDQV VPAAQSSPIN CEKRELLPF VGLNNLGNTC YLNSILQVLY FCPGFKSGVK HLFNIISRKK EALKDEANQK DKGNCCKEDSL ASYELICSLQ SLIISVEQLQ ASFLLNPEKY TDELATQPRR LLNTLRELNP MYEGYLQHDA QEVLQCILGN IQETCQLLKK EEVKNVAELP TKVEEIPHPK EEMNGINSIE MDSMRHSEDF KEKLPKGNKG 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>
Source	Mammalian cell
Target Names	USP1
Protein Names	<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>
Expression Region	1-785
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.

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.

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.