



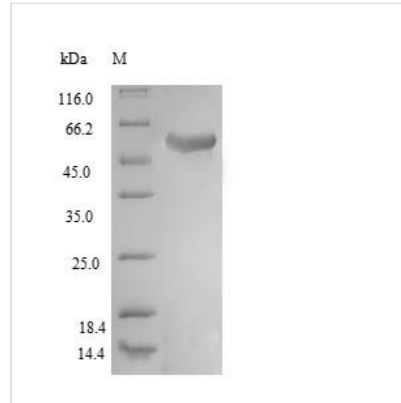
# Recombinant Human Ubiquitin carboxyl-terminal hydrolase 14 (USP14)

<b>Product Code</b>	CSB-EP025704HU
<b>Relevance</b>	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).
<b>Abbreviation</b>	Recombinant Human USP14 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P54578
<b>Alias</b>	Deubiquitinating enzyme 14Ubiquitin thioesterase 14Ubiquitin-specific-processing protease 14
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MPLYSVTVKVGKEKFEFEGVELNTDEPPMVFKAQLFALTGVQPARQKVMVKGG TLKDDDDWGNIKIKNGMTLLMMGSADALPEEPSAKTVFVEDMTEEQLASAMELP CGLTNLGNTCYMNATVQCIRSVPELKDALKRYAGALRASGEMASAQYITAALR DLFDSMDKTSSSIPPIILLQFLHMAFPQFAEKGEQGQYLQQDANECWIQMMRV LQQKLEAIEDDSVKETDSSSASAATPSKKKSLIDQFFGVFETTMKCTESEEEE VTKGKENQLQLSCFINQEVKYLFTGLKLRQLQEEITKQSPTLQRNALYIKSSKISR LPAYLTIQMVRFFYKEKESVNAKVLKDVKFPMLDMYELCTPELQEKMVFSFRS KFKDLEDKKNVQNPNTSDKKSSPQKEVKYEPFSFADDIGSNNGYYDLQAVL THQGRSSSSGHYVSWVKRKQDEWIKFDDDKVSIVTPEDILRLSGGGDWHIAY VLLYGPRRVEIMEESEQ
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	E.coli
<b>Target Names</b>	USP14
<b>Expression Region</b>	1-494aa
<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>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	60.1kDa
<b>Protein Length</b>	Full Length

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**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**

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