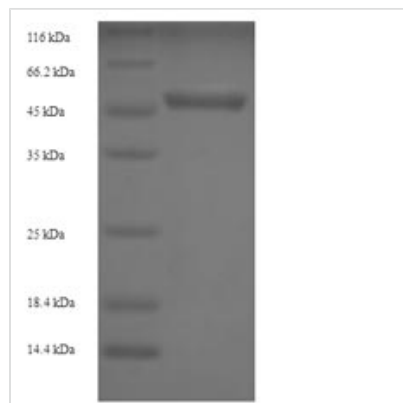




# Recombinant Human Ubiquitin carboxyl-terminal hydrolase isozyme L5 (UCHL5)

<b>Product Code</b>	CSB-EP025544HU
<b>Relevance</b>	Protease that specifically cleaves 'Lys-48'-linked polyubiquitin chains. Deubiquitinating enzyme associated with the 19S regulatory subunit of the 26S proteasome. Putative regulatory component of the INO80 complex; however is inactive in the INO80 complex and is activated by a transient interaction of the INO80 complex with the proteasome via ADRM1.
<b>Abbreviation</b>	Recombinant Human UCHL5 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>	Q9Y5K5
<b>Alias</b>	Ubiquitin C-terminal hydrolase UCH37Ubiquitin thioesterase L5
<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>	MTGNAGEWCLMESDPGVFTELIKGFGRGAQVEEIWSLEPENFEKLKPVHGLI FLFKWQPGEEPAGSVVQDSRLDTIFFAKQVINNACATQAIVSVLLNCTHQDVHL GETLSEFKEFSQSFDAAMKGLALSNSDVIRQVHNSFARQQMFEDTKTSAKEE DAFHVFSYVPVNGRLYELDGLREGPIDLGACNQDDWISAVRPVIEKRIQKYSE GEIRFNLMAIVSDRKMIEQKIAELQRQLAEPMDDTDQGNSMLSAIQSEVAKNQ MLIEEEVQKLKRYKIENIRRKHNYLPFIMELLKTLAEHQQLIPLVEKFEKHFEKTL LGK
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	E.coli
<b>Target Names</b>	UCHL5
<b>Expression Region</b>	1-326aa
<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-SUMO-tagged
<b>Mol. Weight</b>	53.4kDa
<b>Protein Length</b>	Full Length of Isoform 4
<b>Image</b>	



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

## Description

Recombination of a plasmid encoding the Human UCHL5 protein (1-326aa) is the first step during the production the recombinant Human UCHL5 protein. The constructed plasmid is introduced into e.coli cells. e.coli cells that can survive in the presence of a specific antibiotic are selected to be cultured for the induction of protein expression. The protein is equipped with a N-terminal 6xHis-SUMO tag. After expression, affinity purification is used to isolate and purify the recombinant Human UCHL5 protein from the cell lysate. Denaturing SDS-PAGE is then applied to resolve the resulting recombinant Human UCHL5 protein. Its purity exceeds 90%.

## 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.