

## UCHL5 Human

**Description:**UCHL5 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 349 amino acids (1-329 a.a.) and having a molecular mass of 39.7 kDa. UCHL5 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-104

For research use only.

**Synonyms:** Ubiquitin Carboxyl-terminal Hydrolase L5, UCH37, CGI-70, UCH-L5, INO80R, Ubiquitin thioesterase L5, INO80 complex subunit R, EC 3.4.19.12, Ubiquitin Carboxyl-terminal Esterase L5.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHSSGLVPRGSH MTGNAGEWCL MESDPGVFTE  
LIKGFGRGA QVEEWSLEP ENFEKLPVH GLIFLKWQP GEEPAGSVVQ DSRLDTIFFA  
KQVINNACAT QAIQSVLLNC THQDVHLGET LSEFKFSQS FDAAMKGLAL SNSDVIRQVH  
NSFARQQMFE FDTKTSKKEE DAFHFVSYVP VNGRLYELDG LREGPIDLGA CNQDDWISAV  
RPVIEKRIQK YSE

**Purity:** Greater than 90% as determined by SDS-PAGE.

### Formulation:

The UCHL5 protein solution (0.5 mg/ml) is formulated in 20 mM Tris-HCl buffer (pH 8.0), 5 mM DTT, 200 mM NaCl, 0.1 mM PMSF, 2 mM EDTA and 30% glycerol.

### Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

UCHL5 is a member of the peptidase C12 family. UCHL5 protein is a protease that specifically cleaves 'Lys-48'-linked polyubiquitin chains, and deubiquitinating enzyme related to the 19S regulatory subunit of the 26S proteasome.

### Biological Activity:

Specific activity: > 500 pmole/min/μg. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.

### Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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