

## UCHL3 Human

**Description:** UCHL3 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 250 amino acids (1-230a.a.) and having a molecular mass of 28.3kDa. UCHL3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-064

For research use only.

**Synonyms:** Ubiquitin Carboxyl-Terminal Esterase L3 (ubiquitin thiolesterase), UCH-L3, Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L3, EC 3.4.19.12.

**Source:** Escherichia Coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MEGQRWLPLE ANPEVTNQFL  
KQLGLHPNWQ FVDVYGMDPE LLSMVPRPVC AVLLLPITE KYEVFRTEEE EKIKSQGQDV  
TSSVYFMKQT ISNACGTIGL IHAIANNKDK MHFESGSTLK KFLEESVSMS PEERARYLEN  
YDAIRVTHET SAHEGQTEAP SIDEKVDLHF IALVHVDGHL YELDGRKPPF INHGETSDET  
LLEDAIEVCK KF

**Purity:** Greater than 95% as determined by SDS-PAGE.

**Formulation:**

The UCHL3 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT and 10% 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:**

Ubiquitin carboxyl-terminal hydrolase isozyme L3 belongs to a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to produce the ubiquitin monomer. UCHL3 takes part in the regulation of neuronal development and spermatogenesis and is associated to neurodegenerative diseases. UCHL3 has a 54% homology to UCHL1.

**Biological Activity:**

Specific activity: >3,000 pmole/min/μg. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37C.

**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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