

Human Recombinant UCHL3

CATALOG #:	6358-100	100 µg
ALTERNATE NAMES:	Ubiquitin carboxyl-terminal hydrolase isozyme L3, UCH-L3, Ubiquitin thioesterase L3.	
SOURCE:	E.Coli	
PURITY:	> 95% by SDS - PAGE	
MOL. WEIGHT:	28.3 kDa (250 aa, 1-230 aa + NT His Tag)	
FORMULATION:	1 mg/ml solution in 20 mM Tris-HCl (pH 8.0) containing 1 mM DTT, and 10% glycerol.	

STORAGE CONDITIONS:

Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION:

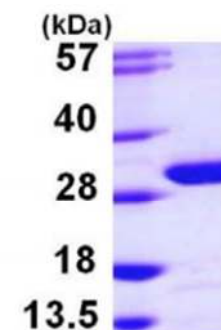
Ubiquitin C-terminal hydrolases (UCHs) are a family of cysteine hydrolases that catalyze the hydrolysis of amides, esters and thioesters of the C-terminus of ubiquitin. UCH-L3 is a member of the lower molecular weight group of UCHs involved in the hydrolysis of small C-terminal derivatives of ubiquitin that form non-specifically during the process of protein ubiquitinylation. UCHL3 play a role in the regulation of neuronal development and spermatogenesis and have been implicated in neurodegenerative diseases.

AMINO ACID SEQUENCE:

MGSSHHHHHH SGLVPRGSH MEGQRWLPLE ANPEVTNQFL KQLGLHPNWQ
FVDVYGM DPE LLSMVP RPVC AVLLFPITE KYEVRTEEE EKIKSQQGDV TSSVYFMKQT
ISNACGTIGL IHAIAN NKDK MHFESGSTLK KFL EESVSMS PEERARYLEN YDAIRVTHET
SAHEGQTEAP SIDEKVDLHF IALVHVDGHL YELDGRKPPF INHGETSDET LLEDAIEVCK
KFMERDPDEL RFNAIALSAA

BIOLOGICAL ACTIVITY:

Specific activity: >3000 pmole/min/µg. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.



15% SDS-PAGE (3ug)

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RELATED PRODUCTS:

- UCHL1, human recombinant (Cat. No. 4855-50)
- Human recombinant UCHL1 (Cat. No. 6306-100)
- Human recombinant UCHL5 (Cat. No. 6359-100)
- LDN-57444 (Cat. No. 2016-5, -25)
- NSC-687852 (Cat. No. 2012-5, -25)
- TCID (Cat. No. 2204-5, -25)

FOR RESEARCH USE ONLY! Not to be used in humans.