

## 32-2906: UCHL3 Recombinant Protein

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

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The UCHL3 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0)1mM DTT and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MEGQRWLPLE ANPEVTNQFL KQLGLHPNWQ FVDVYGM DPE  
LLSMVPRPVC AVLLLFPITE KYEVFRTEEE EKIKSQGQDV TSSVYFMKQT ISNACGTIGL IHAIANNKDK  
MHFESGSTLK KFLEESVSMS PEERARYLEN YDAIRVTHET SAHEGQTEAP SIDEKVDLHF IALVHVDGHL  
YELDGRKPPF INHGETSDET LLEDAIEVCK KFMERDPDEL RFNAIALSAA

### Application Note

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