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## Product Data Sheet

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Product Name: UCHL3 Human  
 Cat. No.: GP22372  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ubiquitin Carboxyl-Terminal Esterase L3 (ubiquitin thiolesterase); UCH-L3; Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L3; EC 3.4.19.12.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEGQRWLPLE ANPEVTNQFL KQLGLHPNWQ FVDVYGMDPE LLSMVPRPVC AVLLLPITE KYEVFRTEEE EKIKSQGDV TSSVYFMKQT ISNACGTIGL IHAIANNKDK MHFESGSTLK KFLEESVSMS PEERARYLEN YDAIRVTHET SAHEGQTEAP SIDEKVDLHF IALVHVDGHL YELDGRKPPF INHGETSDET LLEDAIEVCK KFMERDPDEL RFNAIALSAA		
Formulation	The UCHL3 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0)1mM DTT and 10% glycerol.		

### 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/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37C.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

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.

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