
Product Data Sheet

Product Name: UCHL3 Mouse
 Cat. No.: GP22373
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ubiquitin carboxyl-terminal hydrolase isozyme L3; UCH-L3; UCHL3; Ubiquitin Carboxyl-Terminal Esterase L3; Ubiquitin thioesterase L3; Uchl3; Ubiquitin carboxyl-terminal esterase L3.		
Amino Acid Sequence	MEGQRWLPLE ANPEVTNQFL KQLGLHPNWQ FVDVYGMEPE LLSMVPRPVC AVLLFPITE KYEVFRTEEE EKIKSQGDV TSSVYFMKQT ISNACGTIGL IHAIANNKDK MHFESGSTLK KFLEESVSMS PEERAKFLEN YDAIRVTHET SAHEGQTEAP SIDEKVDLHF IALVHVDGHL YELDGRKPPF INHGKTSDET LLEDAIEVCK KFMERDPDEL RFNAIALSAA LEHHHHHH.		
Formulation	UCHL3 protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4) 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 is > 9,000 pmol/min/mg, and is defined as the amount of enzyme that hydrolysis 1.0 pmole of ubiquitin-AMC per minute at pH 7.5, at 37°C .

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

UCHL3 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 238 amino acids (1-230) and having a molecular mass of 27.2kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). UCHL3 is fused to 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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