
Product Data Sheet

Product Name: UCHL1 Mouse
 Cat. No.: GP24946
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ubiquitin carboxyl-terminal hydrolase isozyme L1; UCH-L1; Neuron cytoplasmic protein 9.5; PGP 9.5; PGP9.5; Ubiquitin thioesterase L1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMQLKPME INPEMLNKVL AKLGVAGQWR FADVLGLEEE TLGSVPSPACALLLFPLTA QHENFRKKQI EELKGQEVSP KVYFMKQTIG NSCGTIGLIH AVANNQDKLE FEDGSVLKQFLSETEKLSPE DRAKCFEKNE AIQAAHDSVA QEGQCRVDDK VNFHFILFNN VDGHLYELDG RMPFPVNHGASSEDSLLQDA AKVCREFTER EQGEVRFSAV ALCKAA.		
Formulation	UCHL1 protein solution (1mg/ml) containing Phosphatebuffered saline, 10% glycerol and 1mM DTT.		

Introduction

UbiquitinCarboxyl-Terminal Esterase L1 (UCHL1) is a part of a family whose products hydrolyze small C-terminal adducts of ubiquitin to create the ubiquitin monomer. UCHL1 is a part of the ubiquitin system, which regulates many biological activities. UCHL1 is a thiol protease that distinguishes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. UCHL1 binds to free monoubiquitin and avoids its degradation in lysosomes.

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). Avoid multiple freeze-thaw cycles.

Background

UCHL1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 246 amino acids (1-223a.a) and having a molecular mass of 27.2kDa. UCHL1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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