

## Datasheet for ABIN7317515 **UCHL3 Protein (His tag)**



[Go to Product page](#)

### Overview

Quantity:	50 µg
Target:	UCHL3 (Uchl3)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This UCHL3 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human UCHL3/UCH-L3 Protein (His Tag)(Active)
Sequence:	Glu 2-Ala 230
Characteristics:	A DNA sequence encoding the human UCHL3 (NP_005993.1) (Glu 2-Ala 230) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Biological Activity Comment:	Measured by the hydrolysis of UbiquitinAMC. The specific activity is >14,000 pmoles/min/µg.

### Target Details

Target:	UCHL3 (Uchl3)
Alternative Name:	UCHL3/UCH-L3 ( <a href="#">Uchl3 Products</a> )
Background:	Background: Ubiquitin carboxyl-terminal hydrolase isozyme L3, also known as UCH-L3,

## Target Details

Ubiquitin thioesterase L3 and UCHL3, is a ubiquitin-protein hydrolase which belongs to the peptidase C12 family. It is involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of either ubiquitin or NEDD8. UCHL3 is highly expressed in heart, skeletal muscle, and testis. UCHL1 and UCHL3 are two of the deubiquitinating enzymes expressed in the brain. These phenotypes indicate the importance of UCHL1 and UCHL3 in the regulation of the central nervous system. UCHL3 functions as a de-ubiquitinating enzyme where lack of its hydrolase activity may result in the prominent accumulation of ubiquitinated proteins and subsequent induction of stress responses in skeletal muscle. UCHL3 has also been identified as a tumor-specific antigen in colon cancer.

Synonym: Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L3; UCH-L3; Ubiquitin Thioesterase L3; UCHL3

Molecular Weight: 27 kDa

NCBI Accession: [NP\\_005993](#)

Pathways: [Feeding Behaviour](#), [Positive Regulation of fat Cell Differentiation](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 20 % glycerol, 1 mM DTT, pH 8.0

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.