

Datasheet for ABIN7321219

**UCHL3 Protein (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	UCHL3 (Uchl3)
Origin:	Rat
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 Rat UCHL3/UCH-L3 Protein (His Tag)(Active)
Sequence:	Glu 2-Ala 230
Characteristics:	A DNA sequence encoding the rat UCHL3 (Q91Y78) (Glu 2-Ala 230) was fused with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Biological Activity Comment:	Measured by the hydrolysis of UbiquitinAMC. The specific activity is >14000 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: rCG\_37146;RGD1561196

Molecular Weight: 27.5 kDa

UniProt: [Q91Y78](#)

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

## Application Details

Restrictions: For Research Use only

## Handling

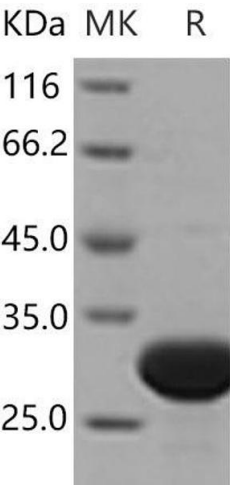
Format: Lyophilized

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

Buffer: Lyophilized from sterile PBS, pH 7.4

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.



Western Blotting

Image 1.