

## Recombinant Human UCHL3/UCH-L3 Protein (His Tag)

Catalog No. PKSH033176

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

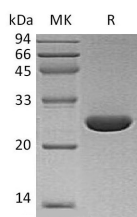
### Description

<b>Synonyms</b>	Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L3;UCH-L3;Ubiquitin Thioesterase L3;UCHL3
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Ala230
<b>Accession</b>	P15374
<b>Calculated Molecular Weight</b>	27.3 kDa
<b>Observed molecular weight</b>	25 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 50mM Tris-HCl, 150mM NaCl, 1mM DTT, 50% Glycerol, pH 8.0.
<b>Reconstitution</b>	Not Applicable

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Ubiquitin Carboxyl-Terminal Hydrolases (UCHs) are a family of cysteine hydrolases. They catalyze the hydrolysis of amides, thioesters and esters, peptide and isopeptide bonds formed by the C-terminal Gly of ubiquitin. Up regulation of UCHL3 is associated with uterine cervical neoplasms. UCHL3 is implicated in age related cognitive disorders. UCHL3 also promotes adipogenesis and insulin signaling. In mice, UCHL3 knockout have been shown to be resistant to diet-

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induced obesity.