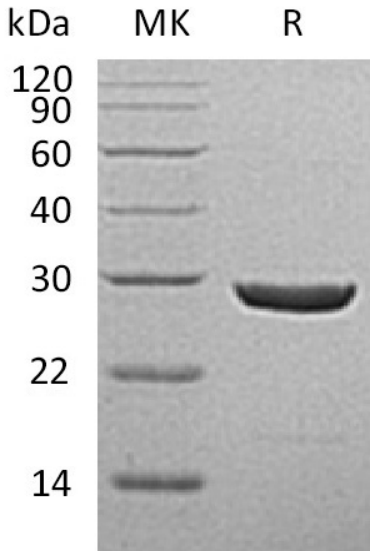
Product Name: Recombinant Human UCH-L1 (C-6His)
Catalog #: PEH1778

Summary

Name	Ubiquitin carboxyl-terminal hydrolase isozyme L1/UCH-L1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1 is produced by our E.coli expression system and the target gene encoding Met1-Ala223 is expressed with a 6His tag at the C-terminus.
Accession #	P09936
Host	E.coli
Species	Human
Predicted Molecular Mass	25.89 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 250mM NaCl, 10% Trehalose, 0.05% Tween80, 1mM TCEP, pH8.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1; UCH-L1; Neuron Cytoplasmic Protein 9.5; PGP 9.5; PGP9.5; Ubiquitin Thioesterase L1; UCHL1

Background

Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1 (UCHL1) belongs to the Peptidase C12 family. UCHL1 is specifically expressed in the neurons and in cells of the diffuse neuroendocrine system. UCHL1 is a component of the ubiquitin system, which has a fundamental role in regulating various biological activities. UCHL1 is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. UCHL1 also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer of UCHL1 may have ATP-independent ubiquitin ligase activity.

Note

For Research Use Only , Not for Diagnostic Use.