

Recombinant Human UCHL1/PGP9.5 Protein (His Tag)

Catalog Number: PKSH033175

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

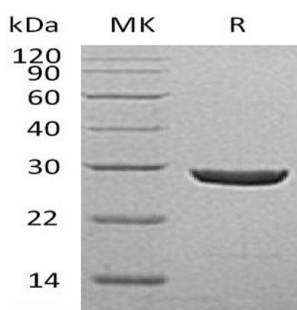
Description

Species	Human
Source	E.coli-derived Human UCHL1/PGP9.5 protein Met 1-Ala223, with an C-terminal His
Calculated MW	25.9 kDa
Observed MW	26 kDa
Accession	P09936
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	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.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 250mM NaCl, 1mM DTT, 10% Glycerol, pH 7.5.

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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