Recombinant Human UCHL1 protein (GST tag)

Catalog Number:PDEH100126

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

Description

Synonyms	Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1;UCH-L1;Neuron Cytoplasmic Protein 9.5;PGP 9.5;PGP9.5;Ubiquitin Thioesterase L1;UCHL1;HEL-117;NDGOA;PARK5;Uch-L1
Species	Human
Expression Host	E.coli
Sequence	Met1-Cys220
Accession	P09936
Calculated Molecular Weight	49.1 kDa
Observed molecular weight	30 kDa
Tag	N-GST

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

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.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine