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Datasheet for ABIN1097748 UCHL1 Protein (AA 1-223) (His tag)



Overview	
Quantity:	50 µg
Target:	UCHL1
Protein Characteristics:	AA 1-223
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UCHL1 protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1/UCH-L1 (C-6His)
Sequence:	MQLKPMEINP EMLNKVLSRL GVAGQWRFVD VLGLEEESLG SVPAPACALL LLFPLTAQHE NFRKKQIEEL KGQEVSPKVY FMKQTIGNSC GTIGLIHAVA NNQDKLGFED GSVLKQFLSE TEKMSPEDRA KCFEKNEAIQ AAHDAVAQEG QCRVDDKVNF HFILFNNVDG HLYELDGRMP FPVNHGASSE DTLLKDAAKV CREFTEREQG EVRFSAVALC KAALEHHHHH H
Characteristics:	Recombinant Human Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1/UCH-L1 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Ala223) of Human UCH-L1.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

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Target Details

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Target:	UCHL1
Alternative Name:	uch-I1 (UCHL1 Products)
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.
	Alternative Names: Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1, UCH-L1, Neuron
	Cytoplasmic Protein 9.5, PGP 9.5, PGP9.5, Ubiquitin Thioesterase L1, UCHL1
Molecular Weight:	25.89 kDa
UniProt:	P09936
Pathways:	Feeding Behaviour
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 μ g/mL.
	Dissolve the lyophilized protein in ddH20.
	Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 250 mM NaCl, 1 mM DTT, 10 %
	Glycerol, pH 7.5.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE
	which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt.

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Expiry Date:

6 months

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