

Datasheet for ABIN934943
UCHL1 Protein (AA 1-223)



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1 Image

Overview

Quantity:	100 µg
Target:	UCHL1
Protein Characteristics:	AA 1-223
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MQLKPM EINP EMLNKVLSRL GVAGQWRFVD VLGLEEEESLG SVPAPACALL LLFPLTAQHE
NFRKKQIEEL KGQEVSPKVY FMKQTIGNSC GTIGLIHAVA NNQDKLGFED GSVLKQFLSE
TEKMSPEDRA KCFEKNEAIQ AAHDAVAQEG QCRVDDKVN FHFILFNNVDG HLYELDGRMP
FPVNHGASSE DTLLKDKAAKV CREFTEREQG EVRFSVAVALC KAA

Characteristics: Purified recombinant Human PGP9.5 protein
Expression System: E.coli
Molecular weight on SDS-PAGE will appear higher.

Purity: > 95 % pure

Target Details

Target: UCHL1
Alternative Name: PGP9.5 ([UCHL1 Products](#))

Target Details

Background: PGP9.5/UCH-L1 is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. PGP9.5 is a component of the ubiquitin system, which has a fundamental role in regulating various biological activities. PGP9.5 gene encodes two opposing enzymatic activities that affect alpha-synuclein degradation and Parkinson's disease susceptibility. Recombinant PGP9.5 protein was expressed in E. coli and purified by using conventional chromatography techniques.

Alternative Names: Ubiquitin carboxyl-terminal esterase L1 Gracile axonal dystrophy protein, Ubiquitin thiolesterase protein, PGP9.5 protein, Protein gene product 9.5 protein, Neuron cytoplasmic protein 9.5 protein, Ubiquitin C terminal esterase L1 protein, Neuron cytoplasmic protein 9.5 protein, Ubiquitin carboxyl-terminal hydrolase isozyme L1 protein, PGP 9.5 protein, EC 3.4.19.12 protein, Ubiquitin thiolesterase L1., Park 5 protein, Ubiquitin thioesterase L1 protein, PGP9.5 protein, 1-223aa protein, UCH-L1 protein, Parkinson Disease 5 protein, Ubiquitin carboxyl terminal esterase L1 protein, Ubiquitin carboxyl terminal hydrolase isozyme L1 protein, UCH L1 protein, PGP95 protein, Ubiquitin C terminal hydrolase (neuron specific) protein, UCHL1 protein

Molecular Weight: 24.8 kDa (223 AA)

Pathways: [Feeding Behaviour](#)

Application Details

Application Notes: PGP9.5 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

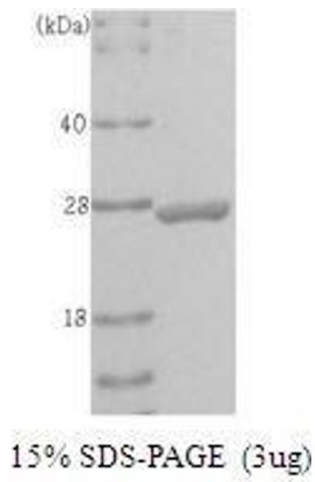
Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris-HCl, pH 8.0, containing 0 mM EDTA.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.