

Product datasheet for AR50009PU-S

OriGene Technologies, Inc.

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UCHL1 / PGP9.5 (1-223) (recombinant) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: UCHL1 / PGP9.5 (1-223) (recombinant) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MQLKPMEINP EMLNKVLSRL GVAGQWRFVD VLGLEEESLG SVPAPACALL LLFPLTAQHE NFRKKQIEEL KGQEVSPKVY FMKQTIGNSC GTIGLIHAVA NNQDKLGFED GSVLKQFLSE TEKMSPEDRA KCFEKNEAIQ AAHDAVAQEG QCRVDDKVNF HFILFNNVDG HLYELDGRMP

FPVNHGASSE DTLLKDAAKV CREFTEREQG EVRFSAVALC KAA

Predicted MW: 24.8 kDa

Concentration: lot specific

Purity: >95% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl pH 8.0, 2 mM EDTA

Bioactivity: Specific activity is > 150pmol/min/ug, and is defined as the amount of enzyme that hydrolysis

1.0pmole of ubiquitin-AMC per minute at pH 7.5, at 37°C.

Preparation: Liquid purified protein

Applications: Protocol: 1. Prepare a 100ul of recombinant PGP9.5 protein with various concentrations

(0.48ng, 0.9ng) in assay buffer and equilibrate to 37C for 10 minutes. (Assay buffer: 50mM

Tris-HCl, 0.5 mM EDTA, 1 mM DTT, 0.1 mg/ml Ovalbumin, pH 8.0.)

2. Add 50ul of 1uM Ubiquitin-AMC.

3. Read at excitation wavelengths 355nm and emission 460nm for 5 minutes.

- Ubiquitin-AMC (Enzo, Cat.No, BML-SE211)

- 96 Well Polystyrene Microplate, black (greiner bio-one, Cat.No, 655077)

- Fluorescent plate reader (PerkinElmer, VICTOR X3)

Protein Description: Recombinant PGP9.5 protein was expressed in E.coli and purified by using conventional

chromatography techniques.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.





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Stability: Shelf life: one year from despatch.

RefSeq: NP 004172

Locus ID: 7345

UniProt ID: <u>P09936</u>, <u>V9HW74</u>

Cytogenetics: 4p13

Synonyms: HEL-117; HEL-S-53; NDGOA; PARK5; PGP 9.5; PGP9.5; PGP95; SPG79; Uch-L1

Summary: The protein encoded by this gene belongs to the peptidase C12 family. This enzyme is a thiol

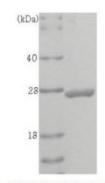
protease that hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. This gene is specifically expressed in the neurons and in cells of the diffuse neuroendocrine system. Mutations in this gene may be associated with Parkinson disease.[provided by RefSeq, Sep

2009]

Protein Families: Druggable Genome, Protease

Protein Pathways: Parkinson's disease

Product images:



15% SDS-PAGE (3ug)