

Human Recombinant UCHL1

CATALOG #:	6306-100	100 µg
ALTERNATE NAMES:	Ubiquitin carboxyl-terminal esterase L1, UCHL1, PARK5, Uch-L1, PGP9.5.	
SOURCE:	E.Coli	
PURITY:	> 95% by SDS - PAGE	
MOL. WEIGHT:	24.8 kDa (223 aa), confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)	
ENDOTOXIN LEVEL:	< 1.0 EU per 1 µg of protein (determined by LAL method)	
FORMULATION:	1 mg/ml solution in In 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM EDTA.	

STORAGE CONDITIONS:

Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION:

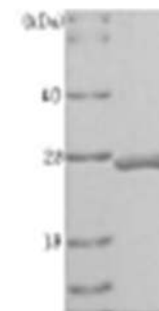
PGP9.5/UCH-L1 is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. PGP9.5 is a component of the ubiquitin system, which has a fundamental role in regulating various biological activities. PGP9.5 gene encodes two opposing enzymatic 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.

AMINO ACID SEQUENCE:

MQLKPM EINP EMLNKVLSRL GVAGQWRFVD VLGLEEEESLG SVPAPACALL LLFPLTAQHE
NFRKKQIEEL KGQEVSPKVY FMKQTIGNSC GTIGLIHAVA NNQDKLGFED GSVLKQFLSE
TEKMSPEDRA KCFEKNEAIQ AAHDAVAQEG QCRVDDKVN FHFILFNNVDG
HLYELDGRMP FPNVNHGASSE DTLKDAAKV CREFTEREQG EVRFSVALC KAA

BIOLOGICAL ACTIVITY:

> 300 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37C.



15% SDS-PAGE (3µg)

Human Recombinant UCHL1

RELATED PRODUCTS:

- UCHL1, human recombinant (Cat. No. 4855-50)
- LDN-57444 (Cat. No. 2016-5, -25)
- NSC-687852 (Cat. No. 2012-5, -25)
- TCID (Cat. No. 2204-5, -25)

FOR RESEARCH USE ONLY! Not to be used in humans.