

PGP9.5, 1-223aa, Human, Recombinant, E.coli

Cat.NO.: TP03388

3th Edition

Synonyms:Ubiquitin carboxyl-terminal esterase L1, UCHL1, PARK5, Uch-L1.

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.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM EDTA

Molecular Weight:24.8 kDa (223 aa), confirmed by MALDI-TOF

Sequences:

MQLKPMEINPEMLNKVLSRLGVAGQWRFVDVLGLEEESLGSVPAPACALLLLFPLTAQHENFRKKQIEELKGQEV
PKVYFMKQTIGNSCGTIGLIHAVANNQDKLGFEDGSVLKQFLSETEKMSPEDRAKCFEKNEAIQAAHDAVAQEGQC
RVDDKVNHFHILFNNVDGHLIYELDGRMPFPVNHGASSEDLLKDAAKVCREFTEREQGEVRFSAVALCKAA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: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.