

# Recombinant mouse PGP9.5/UCHL1 protein

Catalog Number: ATGP3089

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

1-223aa

**UniProt No.**

Q9R0P9

**NCBI Accession No.**

NP\_035800

**Alternative Names**

Ubiquitin carboxyl-terminal hydrolase isozyme L1, AW822034, C88048, gad, PGP 9.5, PGP9.5, R75593, UCH-L1, UCHL-1, Neuron cytoplasmic protein 9.5, Ubiquitin thioesterase L1

## PRODUCT SPECIFICATION

**Molecular Weight**

27.2 kDa (246aa) confirmed by MALDI-TOF

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

**Purity**

> 90% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Description**

Uchl1 also known as Ubiquitin carboxyl-terminal hydrolase isozyme L1 is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. UCHL1 is a component of the ubiquitin system, which has a fundamental role in regulating various biological activities. Recombinant mouse Uchl1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

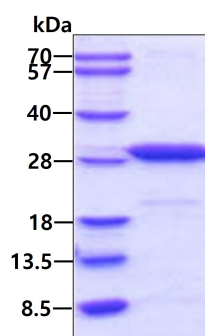
<MGSSHHHHHH SSGLVPRGSH MGS>MQLKPME INPEMLNKVL AKLGVAGQWR FADVLGLEEE TLGSVPSPAC  
ALLLLFPLTA QHENFRKKQI EELKGQEVSP KVFYFMKQTIG NSCGTIGLIH AVANNQDKLE FEDGSVLKQF LSETEKLSPE  
DRAKCFEKNE AIQAAHDSVA QEGQCRVDDK VNFHFILFNN VDGHLIELDG RMPFPVNHGA SSEDSSLQDA AKVCREFTER  
EQGEVRFSAV ALCKAA

### General References

Wiese CB., et al. (2013) Genesis 51 (12), 852-861

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.