

Recombinant mouse PGP9.5/UCHL1 protein

Catalog Number: ATGP3568

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

Biological Activity

Specific activity is > 70pmol/min/ug, and is defined as the amount of enzyme that hydrolysis 1.0pmole of ubiquitin-AMC per minute at pH 7.5, at 37C

Tag

His-Tag

Application

SDS-PAGE, Enzyme Activity

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

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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.

Amino acid Sequence

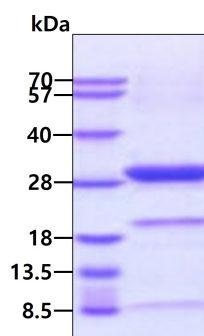
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ALLLLFPLTA QHENFRKKQI EELKGQEVSP KVFYFMQTIG NSCGTIGLIH AVANNQDKLE FEDGSVLKQF LSETEKLSPE
DRAKCFEKNE AIQAAHDSVA QEGQCRVDDK VNFHFILFNN VDGHLIELDG RMPFPVNHGA SSEDSSLQDA AKVCREFTER
EQGEVRFSAV ALCKAA

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.