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

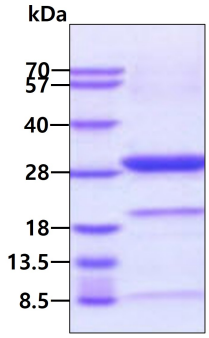
<MGSSHHHHHH SSGLVPRGSH MGS>MQLKPME INPEMLNKVL AKLGVAGQWR FADVLGLEEE TLGSVPSPAC ALLLLFPLTA QHENFRKKQI EELKGQEVSP KVYFMKQTIG NSCGTIGLIH AVANNQDKLE FEDGSVLKQF LSETEKLSPE DRAKCFEKNE AIQAAHDSVA QEGQCRVDDK VNFHFILFNN VDGHLYELDG RMPFPVNHGA SSEDSLLQDA AKVCREFTER EQGEVRFSAV ALCKAA

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.