Recombinant human UCHL3 protein

Catalog Number: ATGP0872

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-230aa

UniProt No.
P15374

NCBI Accession No.
NP_005993

Alternative Names
uCH-L3, ubiquitin thioesterase L3, ubiquitin carboxyl-terminal hydrolase isozyme L3, ubiquitin carboxyl-terminal esterase L3

PRODUCT SPECIFICATION

Molecular Weight
28.3 kDa (250aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity
> 95% by SDS-PAGE

Biological Activity
Specific activity is > 1,500pmol/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
ubiquitin carboxyl-terminal hydrolase isozyme L3, also known as uCHL3, is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. uCHL3 play a role

in the regulation of neuronal development and spermatogenesis and have been implicated in neurodegenerative diseases. uCHL3 protein is 54% identical to that of uCHL1. Recombinant human uCHL3 protprot, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

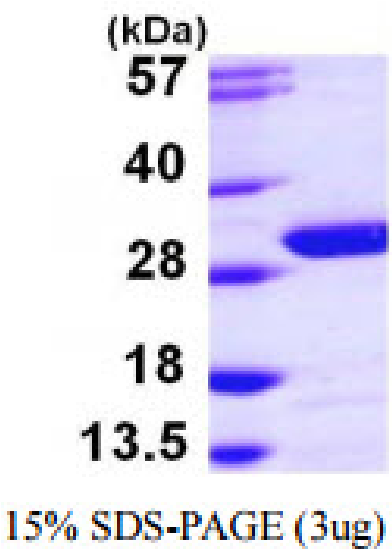
MGSSHHHHHH SSGLVPRGSH MEGQRWLPLE ANPEVTNQFL KQLGLHPNWQ FVDVYGMDPE LLSMVPRPVC AVLLLFPITE KYEVFRTEEE EKIKSQGQDV TSSVYFMKQT ISNACGTIGL IHAIANNKDK MHFESGSTLK KFLEESVSMS PEERARYLEN YDAIRVTHET SAHEGQTEAP SIDEKVDLHF IALVHVDGHL YELDGRKPFP INHGETSDET LLEDAIEVCK KFMERDPDEL RFNAIALSAA

General References

Kwon J., et al. (2007) Exp Anim. 56:71-7.
Leroy E., et al. (1998) Nature. 395:451-2.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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