Recombinant human ARH3/ADPRS protein

Catalog Number: ATGP1665

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-363aa

UniProt No.
Q9NX46

NCBI Accession No.
NP_060295

Alternative Names
ADP-ribosylhydrolase like 2, ARH3

PRODUCT SPECIFICATION

Molecular Weight
41.5 kDa (387aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 30% 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
ADP-ribosylhydrolase like 2, also known as ADPRHL2, is a member of the ADP-ribosylglycohydrolase family. Expressed ubiquitously, ADPRHL2 uses magnesium as a cofactor to catalyze the hydrolysis of poly (ADP-ribose) that is synthesized after DNA damage. Also, ADPRHL2 plays an important role in the maintenance of normal neuronal cell function. Recombinant human ADPRHL2 protein, 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

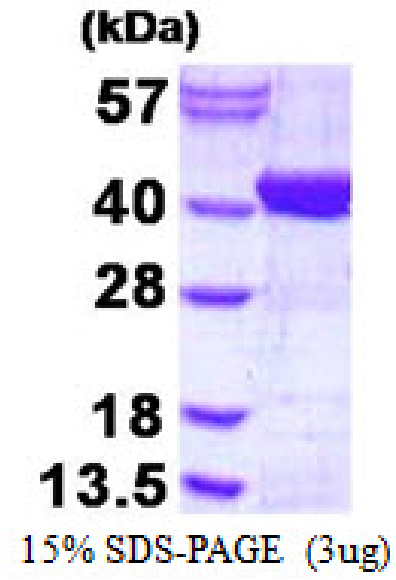
MGSSHHHHHH SSGLVPRGSH MGSHMAAAAM AAAAGGGAGA ARSLSRFRGC LAGALLGDCV GSFYEAHDTV DLTSVLRHVQ SLEPDPGTPG SERTEALYYT DDTAMARALV QSLLAKEAFD EVDMAHRFAQ EYKKDPDRGY GAGVVTVFKK LLNPKCRDVF EPARAQFNGK GSYGNGGAMR VAGISLAYSS VQDVQKFARL SAQLTHASSL GYNGAILQAL AVHLALQGES SSEHFLKQLL GHMEDLEGDA QSVLDARELG MEERPYSSRL KKIGELLDQA SVTREEVVSE LGNGIAAFES VPTAIYCFLR CMEPDPEIPS AFNSLQRTLI YSISLGGDTD TIATMAGAIA GAYYGMDQVP ESWQQSCEGY EETDILAQSL HRVFQKS

General References

Kernstock S., et al. (2006) Sect F Struct Biol Cryst Commun. 62: 224-227
Mueller Dieckmann C., et al. (2006) Proc Natl Acad Sci uSA. 103: 15026-15031.

DATA

SDS-PAGE



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