Recombinant human ADPRH protein

Catalog Number: ATGP1633

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-357aa

UniProt No.
P54922

NCBI Accession No.
NP_001116

Alternative Names
Protein ADP-ribosylarginine hydrolase, ARH1

PRODUCT SPECIFICATION

Molecular Weight
42.1 kDa (381aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 100mM NaCl

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
ADPRH (ADP-ribosylarginine hydrolase), also known as ADP-ribose-L-arginine cleaving enzyme, belongs to the ADP-ribosylglycohydrolase family. This protein catalyzes removal of mono-ADP-ribose from arginine residues of proteins in the ADP-ribosylation cycle. unlike the rat and mouse enzymes, which require DTT for maximal activity, the human enzyme is DTT-independent. Recombinant human ADPRH 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

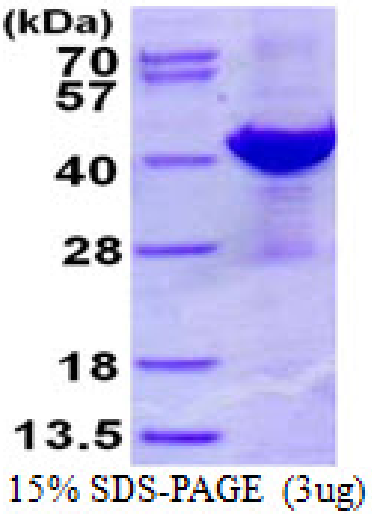
MGSSHHHHHH SSGLVPRGSH MGSHMEKYVA AMVLSAAGDA LGYYNGKWEF LQDGEKIHRQ LAQLGGLDAL DVGRWRVSDD TVMHLATAEA LVEAGKAPKL TQLYYLLAKH YQDCMEDMDG RAPGGASVHN AMQLKPGKPN GWRIPFNSHE GGCGAAMRAM CIGLRFPHHS QLDTLIQVSI ESGRMTHHHP TGYLGALASA LFTAYAVNSR PPLQWGKGLM ELLPEAKKYI VQSGYFVEEN LQHWSYFQTK WENYLKLRGI LDGESAPTFP ESFGVKERDQ FYTSLSYSGW GGSSGHDAPM IAYDAVLAAG DSWKELAHRA FFHGGDSDST AAIAGCWWGV MYGFKGVSPS NYEKLEYRNR LEETARALYS LGSKEDTVIS L

General References

Weber F, et al. (2005) J Clin Endocrinol Metab. 90(2):1149-55.
Kernstock S, et al. (2009) Acta Crystallogr Sect F Struct Biol Cryst Commun. 65(Pt 5):529-32.

DATA

SDS-PAGE



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