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AR50489PU-N Human ADPRHL2 / ARH3 (1-363, His-tag) - Purified

Alternate names: ADP-ribosylhydrolase 3, Poly(ADP-ribose) glycohydrolase ARH3, [Protein ADP-ribosylarginine] hydrolase-like protein 2

Quantity: 0.5 mg

Concentration: 0.5 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: Q9NX46

NCBI: NP_060295

GeneID: 54936

Species: Human

Source: E. coli

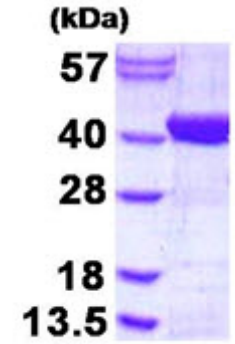
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 30% glycerol,1mM DTT

Description: Recombinant human ADPRHL2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA 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
Molecular weight: 41.5 kDa (387aa), confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

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

Pictures:



15% SDS-PAGE (3ug)