

Recombinant human BART1/ARL2BP protein

Catalog Number: ATGP0765

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-163aa

UniProt No.

Q9Y2Y0

NCBI Accession No.

NP_036238

Alternative Names

ADP-ribosylation factor-like 2 binding protein, BART, BART1, ADP ribosylation factor like GTPase 2 binding protein, ARF-like 2-binding protein, ARL2-binding protein, Retinitis pigmentosa 66, Binder of Arl2

PRODUCT SPECIFICATION

Molecular Weight

20.9 kDa (183aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 10% glycerol

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

ARL2BP is an effector of ADP-ribosylation factor-like 2 (ARL2) that is essential for nuclear retention of STAT3. This protein binds to ARL2. GTP with high affinity but does not interact with ARL2. GDP, activated ARF, or RHO proteins. Though predominantly cytosolic, ARL2BP can enter the mitochondria and bind the adenine nucleotide transporter when bound to ARL2. Thus it may also be involved in mitochondria transport and apoptosis. Recombinant human ARL2BP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by

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using conventional chromatography.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MDALEGESFA LSFSSASDAE FDAVVGYLED IIMDDEFQLL QRNFMDKYLL EFEDTEENKL
IYTPIFNEYI SLVEKYIEEQ LLQRIPEFNM AAFTTTTLQHH KDEVAGDIFD MLLTFTDFLA FKEMFLDYRA EKEGRGLDLS
SGLVVTSLCK SSSLPASQNN LRH

General References

Ding J., et al (2009) Structure. 17(4):602-10.

Kahn RA., et al. (1999) J Biol Chem. 274(39):27553-61.

DATA

SDS-PAGE

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

