

# Recombinant human BART1/ARL2BP protein

Catalog Number: ATGP0765

## PRODUCT INFORMATION

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**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

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**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**

&gt; 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

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**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 SGLVPRGSH 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.

