

Human ARL2BP / BART1 Protein (His Tag)

Catalog Number: 14357-H07E



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

ARL2BP, BART, BART1

Protein Construction:

A DNA sequence encoding the mature form of human ARL2BP (Q9Y2Y0-1) (Met1-His163) was expressed with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 85 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His

Molecular Mass:

The recombinant human ARL2BP consists of 178 amino acids and predicts a molecular mass of 20.7 KDa. It migrates as an approximately 21 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

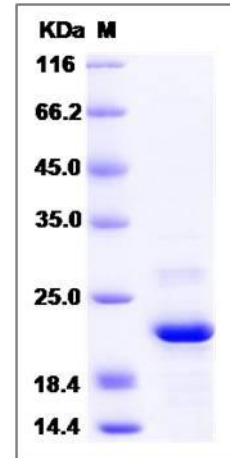
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Protein Description

ADP-ribosylation factor (ARF)-like proteins (ARLs) comprise a functionally distinct group of the ARF family of RAS-related GTPases. ARL2BP binds to ARL2.GTP with high affinity but does not interact with ARL2.GDP, activated ARF, or RHO proteins. The lack of detectable membrane association of ARL2BP or ARL2 upon activation of ARL2 is suggestive of actions distinct from those of the ARFs. ARL2BP is considered to be the first ARL2-specific effector identified, due to its interaction with ARL2.GTP but lack of ARL2 GTPase-activating protein activity. ARL2BP, together with ARL2, plays a role in the nuclear translocation, retention and transcriptional activity of STAT3. ARL2BP may play a role as an effector of ARL2.

References

1. Qiu J. et al., 2011, PLoS Pathog. 7 (8): e1002193.
2. Taniuchi K. et al., 2012, PLoS One. 7 (4): e35674.
3. Taniuchi K. et al., 2012, Neoplasia. 14 (5): 440-50.

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