

ARL2BP Protein, Human (His)

Cat. No.:	HY-P76156
Synonyms:	ADP ribosylation factor like 2 binding protein; BART; BART1; Binder of ARF2 protein 1
Species:	Human
Source:	E. coli
Accession:	Q9Y2Y0 (M1-H163)
Gene ID:	23568
Molecular Weight:	Approximately 21 kDa.

PROPERTIES

AA Sequence	<p> M D A L E G E S F A L S F S S A S D A E F D A V V G Y L E D I I M D D E F Q L L Q R N F M D K Y Y L E F E D T E E N K L I Y T P I F N E Y I S L V E K Y I E E Q L L Q R I P E F N M A A F T T T L Q H H K D E V A G D I F D M L L T F T D F L A F K E M F L D Y R A E K E G R G L D L S S G L V V T S L C K S S S L P A S Q N N L R H </p>
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The ARL2BP protein, in collaboration with ARL2, assumes a pivotal role in the nuclear translocation, retention, and transcriptional activity of STAT3, highlighting its involvement in cellular processes. Acting potentially as an effector of ARL2, ARL2BP is found in complexes with ARL2 and SLC25A6, as well as ARL2, ARL2BP, and SLC25A4. It interacts with key transcription factors, including STAT2, STAT3, and STAT4, with an enhanced interaction with STAT3 in the presence of ARL2. Notably, ARL2BP's association with GTP-bound ARL2 and ARL3, either as the ARL2-ARL2BP complex or ARL2BP alone, binds</p>
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to SLC25A4, suggesting a role in protein targeting. Additionally, the interaction with ARL2 may be crucial for the specific targeting of ARL2BP to the cilia basal body. These intricate associations underscore ARL2BP's multifaceted involvement in cellular signaling and localization processes.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA