

ARL2BP Protein, Human (GST)

Cat. No.:	HY-P71660
Synonyms:	ADP ribosylation factor like 2 binding protein; ADP-ribosylation factor-like protein 2-binding protein; ARL2BP protein; BART; BART1; Binder of ARF2 protein 1
Species:	Human
Source:	E. coli
Accession:	Q9Y2Y0 (M1-H163)
Gene ID:	23568
Molecular Weight:	Approximately 45.8 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>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
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.
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 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.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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