
Product Data Sheet

Product Name: ARL2BP Human
 Cat. No.: GP22772
 Batch No.: 1

Product Data

| | | | |
|---------------------|---|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | ADP-ribosylation factor-like protein 2-binding protein; ARF-like 2-binding protein; Binder of ARF2 protein 1; ARL2BP; BART; BART1. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MDALEGESFA LSFSSASDAE FDAVVGYLED IIMDDEFQLL QRNFMDKYYL EFEDTEENKL YTPIFNEYI SLVEKYIEEQ LLQRIPEFNM AAFTTTLQHH KDEVAGDIFD MLLTFTDFLA FKEMFLDYRA EKEGRGLDLS SGLVVTSLCK SSSLPASQNN LRH. | | |
| Formulation | The ARL2BP solution (1 mg/ml) contains 20mM Tris-HCl Buffer (pH 7.5) and 10% Glycerol. | | |

Introduction

ARL2BP is an effector of ADP-ribosylation factor-like 2 (ARL2) which is vital for nuclear retention of STAT3. The ARL2BP protein binds to ARL2.GTP with high affinity but does not interact with ARL2.GDP, activated ARF, or RHO proteins. Though primarily cytosolic, ARL2BP can enter the mitochondria and bind the adenine nucleotide transporter while bound to ARL2. Accordingly, it may also be involved in mitochondria transport and apoptosis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ARL2BP Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 183 amino acids (1-163) and having a molecular mass of 20.9 kDa. The ARL2BP is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary

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

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chromatographic techniques.

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