

Recombinant Human ARL2BP, His-tagged

Cat. No. ARL2BP-2878H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ARL2BP protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography.
Species	Human
Source	E.coli
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.
Sequence	MGSSHHHHHH SSGLVPRGSH MDALEGESFA LSFSSASDAE FDAVVGYLEDIIMDDEFQLL QRNFMDKYLL EFEDTEENKL IYTPIFNEYISLVEKYIEEQLLQRIPEFNM AAFTTTTLQHH KDEVAGDIFD MLLTFTDFLA FKEMFLDYRAEKEGRGLDLS SGLVVTSLCK SSSLPASQNN LRH.
Purity	> 90% by SDS – PAGE.
MW	32.4 kDa (306aa) confirmed by MALDI-TOF.
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 10% Glycerol.

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Concentration	1mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	ARL2BP ADP-ribosylation factor-like 2 binding protein [Homo sapiens]
Synonyms	ARL2BP; ADP-ribosylation factor-like 2 binding protein; BART, BART1; ADP-ribosylation factor-like protein 2-binding protein; ARF-like 2-binding protein; Arf-like 2 binding protein BART1; binder of ARF2 protein 1; binder of Arl Two; binder of Arl2
Gene ID	23568
mRNA Refseq	NM_012106
Protein Refseq	NP_036238
UniProt ID	Q9Y2Y0
Chromosome Location	16q13
Function	small GTPase regulator activity