

Recombinant Human ARL6, His-tagged

Cat. No. ARL6-3544H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ARL6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	ARL6, also known ADP-ribosylation factor-like protein 6, belongs to the ARF family of GTP-binding proteins. This protein is known to play essential roles in modulating membrane trafficking and cytoskeletal functions. Mutation in ARL6 causes Bardet-Biedl syndrome (BBS3). BBS is a pleiotropic genetic disorder characterized by obesity, photoreceptor degeneration, polydactyly, hypogenitalism, renal abnormalities and developmental delay.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.2M NaCl, 5mM DTT
Molecular weight	23.2 kDa (206aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGLLDRLSVL LGLKKKEVHV LCLGLDNSGK TTIINKLKPS NAQSQNILPT IGFSIEKFKS SLSLFTVFDM SGQGRYRNLW EHYYKEGQAI IFVIDSSDRL RMVVAKEELD TLLNHPDIKH RRIPIFFAN

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KMDLRDAVTS VKVSQLLCLE NIKDKPWHIC ASDAIKGEGL QEGVDWLQDQ
IQTVKT

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

[ARL6 ADP-ribosylation factor-like 6 \[Homo sapiens \]](#)

Synonyms

ADP-ribosylation factor-like 6; BBS3; OTTHUMP00000214308; ARL6; RP55; OTTHUMP00000214309; MGC32934; OTTHUMP00000214310; bardet-Biedl syndrome 3 protein ADP-ribosylation factor-like protein 6

Gene ID

[84100](#)

mRNA Refseq

[NM_032146](#)

Protein Refseq

[NP_115522](#)

MIM

[608845](#)

UniProt ID

[Q9H0F7](#)

**Chromosome
Location**

3q11.2

Function

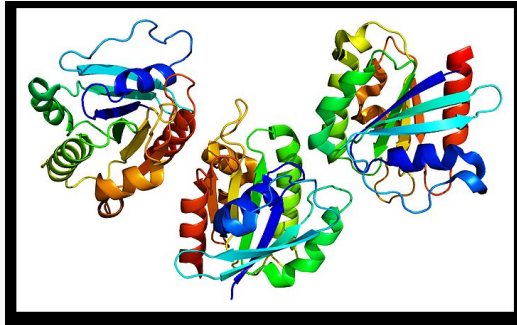
GTP binding; metal ion binding; nucleotide binding; protein binding

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