

Recombinant Human ADP-Ribosylation Factor-Like 6, His-tagged

Cat. No. ARL6-4974H **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	Human
Description	ARL6, also known as 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.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 20 mM Tris-HCl buffer, pH 8.0, containing 20% glycerol, 0.2 M NaCl and 5mM DTT.
Purity	> 90% by SDS-PAGE
Sequence	1-186 amino acids: MGSSHHHHHH SGLVPRGSH MGLLDRLSVL LGLKKKEVHV LCLGLDNSGK TTIINKLKPS NAQSQNILPTIGFSIEKFKS SLSFTVFDM SGQGRYRNLW EHYYKEGQAI IFVIDSSDRL RMVVAKEELD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TLLNHPDIKHRRIPILFFAN KMDLRDAVTS VKVSQLLCLE NIKDKPWHIC
ASDAIKGEGEGL QEGVDWLQDQ IQTVKT

Molecular Mass 23.2 kDa (206 aa), confirmed by MALDI-TOF

Applications SDS-PAGE

Storage Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

Official Symbol ARL6

GENE INFORMATION

Gene Name [ARL6 ADP-ribosylation factor-like 6 \[Homosapiens \]](#)

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

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Function

GTP binding; metalion binding; nucleotide binding; phospholipid binding

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