

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

Cat. No. ARL6-4974H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanARL6 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography.
Species	Human
Source	Human
Description	ARL6, also knownADP-ribosylation factor-like protein 6, belongs to the ARF family ofGTP-binding proteins. This protein is known to play essential roles inmodulating membrane trafficking and cytoskeletal functions. Mutation in ARL6causes Bardet-Biedl syndrome (BBS3). BBS is a pleiotropic genetic disordercharacterized by obesity, photoreceptor degeneration, polydactyly,hypogenitalism, renal abnor-malities and developmental delay.
Concentration	0.5 mg/ml
Form	Supplied as a liquidin 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 SSGLVPRGSH MGLLDRLSVL LGLKKKEVHV LCLGLDNSGK TTIINKLKPS NAQSQNILPTIGFSIEKFKS SSSLSTVFDM 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 ASDAIKGEGL QEGVDWLQDQ IQTVKT
Molecular Mass	23.2 kDa (206 aa),confirmed by MALDI-TOF
Applications	SDS-PAGE
Storage	Store at 4 deg C forshort term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg Cfor long term storage. Avoid repeated freeze/thaw cycles.
OfficialSymbol	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 3protein; 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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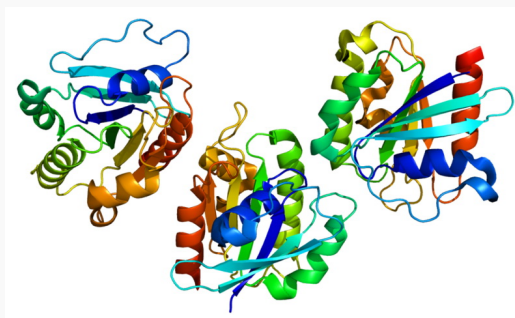
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Function

GTP binding; metalion binding; nucleotide binding; phospholipid binding

**PDB rendering
basedon 2h57.**



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