

Product information

ARL6, 1-186aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1084

Full name: ADP-ribosylation factor-like protein 6

NCBI Accession No.: NP_115522

Synonyms: BBS3, MGC32934, RP55

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. Recombinant human ARL6 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

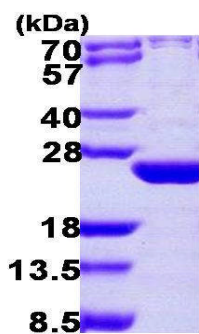
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

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)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGLLDRLSVL LGLKKKEVHV LCLGLDNSGK TTIINKLKPS NAQSQNILPT IGFSIEKFKS SLSFTVFDM
SGQGRYRN LW EHYKKEGQAI IFVIDSSDRL RMVVAKEELD TLLNHPDIKH RRIPILFFAN KMDLRDAVTS VKVSQLLCLE NIKDKPWHIC
ASDAIKGEGL QEGVDWLQDQ IQTVKT

General references:

Wiens CJ. *et al.* (2010) *J Biol Chem.* 285:16218-30.

Chiang AP. *et al.* (2004) *Am J Hum Genet.* 75: 475–84.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.