

Recombinant Mouse Arl6 Protein, Myc/DDK-tagged

Cat. No. Arl6-1709M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ADP-ribosylation factor-like 6 (Arl6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in membrane protein trafficking at the base of the ciliary organelle. Mediates recruitment onto plasma membrane of the BBSome complex which would constitute a coat complex required for sorting of specific membrane proteins to the primary cilia. Together with BBS1, is necessary for correct trafficking of PKD1 to primary cilia. Together with the BBSome complex and LTZL1, controls SMO ciliary trafficking and contributes to the sonic hedgehog (SHH) pathway regulation. May regulate cilia assembly and disassembly and subsequent ciliary signaling events such as the Wnt signaling cascade. Isoform 2 may be required for proper retinal function and organization.
Molecular Mass	21 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Arl6 ADP-ribosylation factor-like 6 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Arl6](#)

Synonyms ARL6; ADP-ribosylation factor-like 6; ADP-ribosylation factor-like protein 6; ADP-ribosylation-like 6; ADP-ribosylation-like factor homolog ARL6; BBS3; 1110018H24Rik; 2210411E14Rik

Gene ID [56297](#)

mRNA Refseq [NM_019665](#)

Protein Refseq [NP_062639](#)

UniProt ID [O88848](#)

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