

## Recombinant Mouse Arl3 Protein, Myc/DDK-tagged

**Cat. No.** Arl3-1706M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length ADP-ribosylation factor-like 3 (Arl3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-bound form, and the rate of cycling is regulated by guanine nucleotide exchange factors (GEF) and GTPase-activating proteins (GAP). Required for normal cytokinesis and cilia signaling. Required for targeting proteins to the cilium, including myristoylated NPHP3 and prenylated INPP5E. Targets NPHP3 to the ciliary membrane by releasing myristoylated NPHP3 from UNC119B cargo adapter into the cilium. Requires assistance from GTPase-activating proteins (GAPs) like RP2 and PDE6D, in order to cycle between inactive GDP-bound and active GTP-bound forms. Required for PKD1:PKD2 complex targeting from the trans-Golgi network to the cilium.
<b>Molecular Mass</b>	20.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Arl3 ADP-ribosylation factor-like 3 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Arl3</a>
<b>Synonyms</b>	ARL3; ADP-ribosylation factor-like 3; ADP-ribosylation factor-like protein 3; ADP-ribosylation-like 3
<b>Gene ID</b>	<a href="#">56350</a>
<b>mRNA Refseq</b>	<a href="#">NM_019718</a>
<b>Protein Refseq</b>	<a href="#">NP_062692</a>
<b>UniProt ID</b>	<a href="#">Q9WUL7</a>

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