

# Product information



## ARL1, 1-181aa

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

Cat. No. IBATGP0660

**Full name:** ADP-ribosylation factor-like protein 1

**NCBI Accession No.:** NP\_001168

**Synonyms:** ARFL1

**Description:** ADP-ribosylation factor-like protein 1 (ARL1) belongs to the ARL (ADP-ribosylation factor-like) family of proteins, which are structurally related to ADP-ribosylation factors (ARFs). ARFs, described as activators of cholera toxin (CT) ADP-ribosyltransferase activity, regulate intracellular vesicular membrane trafficking, and stimulate a phospholipase D (PLD) isoform. Although, ARL proteins were initially thought not to activate CT or PLD, later work showed that they are weak stimulators of PLD and CT in a phospholipid dependent manner. Recombinant human ARL1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p><b>Form:</b> Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 100mM NaCl, 2mM DTT</p> <p><b>Molecular Weight:</b> 22.5kDa (201 aa) confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 95% by SDS - PAGE</p> <p><b>Concentration:</b> 0.25mg/ml (determined by Bradford assay)</p>	<p>(kDa) 70 57 40 28 18 13.5</p> <p>15% SDS-PAGE (3ug)</p>
<p><b>Sequences of amino acids:</b></p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MGGFFSSIFS SLFGTREMRI LILGLDGAGK TTILYRLQVG EVVTTIPTIG FNVETVYTKN LKFQVWDLGG QTSIRPYWRC YYSNTDAVIY VVDSCDRDRI GISKSELVAM LEEEELRKAI LVVFANKQDM EQAMTSSEMA NSLGLPALKD RKWQIFK TSA TKGTGLDEAM EWLVELKSR Q</p>	

### General references:

Nishimoto-Morita K., *et al.* (2009) *J. Biol. Chem* 284(16):10583-92

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

# Product information

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Van Valkenburgh H., *et al.* (2001) *J. Biol. Chem.* 276:22826-22837

**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.

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