

Recombinant Human ADP-Ribosylation Factor-Like 4D, His-tagged

Cat. No. ARL4D-6889H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ARL4D protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 24.3 kDa.
Species	Human
Source	E.coli
ProteinLength	1-201aa
Description	ARL4D (ADP-ribosylation factor-like protein 4D) is a developmentally regulated member of the ADP-ribosylation factor/ARF-like protein (ARF/ARL) family of Ras-related GTPases. 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).
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl.
Molecular Mass	24.3 kDa (221aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGNHITEMAP TASSFLPHFQ ALHVVVIGLD SAGKTSLLYR LKFKEFVQSV PTKGFNTEKI RVPLGGSRGI TFQVWDVGGQ EKLRLWRSY TRRTDGLVFV VDAAEAERLE EAKVELHRIS RASDNQGVVPV

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LVLANKQDQP GALSAAEVEK RLAVRELA AA TLTHVQGCSA VDGLGLQQGL
ERLYEMILKR KKAARGGKKR R

Purity >90% by SDS - PAGE

Applications SDS-PAGE

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.

Concentration 0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [ARL4D ADP-ribosylation factor-like 4D \[Homo sapiens \]](#)

Official Symbol ARL4D

Synonyms ARL4D; ADP-ribosylation factor-like 4D; ADP ribosylation factor 4 like , ARF4L; ADP-ribosylation factor-like protein 4D; ADP-ribosylation factor-like 6; ADP-ribosylation factor-like protein 4L; ARL6; ARF4L;

Gene ID [379](#)

mRNA Refseq [NM_001661](#)

Protein Refseq [NP_001652](#)

MIM [600732](#)

UniProt ID [P49703](#)

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Chromosome Location	17q12-q21
Function	GTP binding; GTPase activity; nucleotide binding; protein binding;