

Recombinant Human ADP-Ribosylation Factor-Like 1, His-tagged

Cat. No. ARL1-4200H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARL1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 201 amino acids (1-181 a.a.) and having a molecular mass of 22.5 kDa. The ARL1 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Species	Human
Source	Human
ProteinLength	1-181 a.a.
Description	ARL1 is part of the ARL (ADP-ribosylation factor-like) family of proteins, which are structurally associated to ADP-ribosylation factors (ARFs). ARFs, described as activators of cholera toxin (CT) ADP-ribosyltransferase activity, control intracellular vesicular membrane trafficking, and stimulate a phospholipase D (PLD) isoform. ARL1 is a weak stimulator of PLD and CT in a phospholipid dependent manner. ARL1 is a GTP-binding protein that has low efficiency as allosteric activator of the cholera toxin catalytic subunit, an ADP-ribosyltransferase. ARL1 is involved in the Golgi apparatus.
Form	0.25mg/ml solution containing 20mM Tris pH-8, 1mM DTT & 10% glycerol.
Purity	Greater than 95.0% as determined by SDS-PAGE.

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Physical Appearance	Sterile filtered colorless solution.
Amino acid sequence	MGSSHHHHHH SSGLVPRGSH MGGFFSSIFS SLFGTREMRI LILGLDGAGK TTILYRLQVG EVVTTIPTIG FNVETVTYKN LKFQVWDLGG QTSIRPYWRC YYSNDAVIY VVDSCDRDRI GISKSELVAM LEEEELRKAI LVVFANKQDM EQAMTSSEMA NSLGLPALKD RKWQIFKTSA TKGTGLDEAM EWLVELKSR Q.
Storage	ARL1 Human although stable at 4C for 1 week, should be stored desiccated below -18C. Please prevent freeze thaw cycles.

GENE INFORMATION

Gene Name	ARL1 ADP-ribosylation factor-like 1 [Homo sapiens]
Official Symbol	ARL1
Synonyms	ARL1; ADP-ribosylation factor-like 1; ARFL1; ADP-ribosylation factor-like protein 1
Gene ID	400
mRNA Refseq	NM_001177
Protein Refseq	NP_001168
MIM	603425
UniProt ID	P40616
Chromosome Location	12q23.2
Function	GTP binding; GTPase activity; enzyme activator activity; metal ion binding; nucleotide

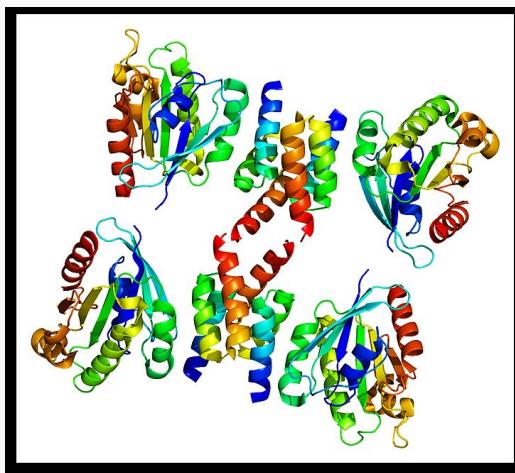
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binding; protein binding

PDBrendering based
on 1r4a.



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