

Recombinant Human ARL1, His-tagged

Cat. No. ARL1-9847H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARL1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-181a.a.
Description	The protein encoded by this gene 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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

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Gene Name	ARL1 ADP-ribosylation factor-like 1 [Homo sapiens]
Official Symbol	ARL1
Synonyms	ARL1; ADP-ribosylation factor-like 1; ADP-ribosylation factor-like protein 1; ARFL1;
Gene ID	400
mRNA Refseq	NM_001177
Protein Refseq	NP_001168
MIM	603425
UniProt ID	P40616
Chromosome Location	12q23.3
Function	GTP binding; GTPase activity; enzyme activator activity; metal ion binding; nucleotide binding; protein domain specific binding;

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