

Recombinant Human ARL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARL1-4774H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARL1 MS Standard C13 and N15-labeled recombinant protein (NP_001168) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	20.4 kDa
AA Sequence	MGGFFSSIFSSLFGTREMRILILGLDGAGKTTILYRLQVGEVTTIPTIGFNVETVYKN LKFQVWDLGGQTSIRPYWRCYYSNTDAVIYVVDSCDRDRIGISKSELVAMLEEEELR KAILVVFANKQDMEQAMTSSEMANSGLPALKDRKWQIFKTSATKGTGLDEAMEWL VETLKSRQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

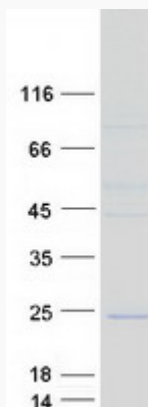
GENE INFORMATION

Gene Name	ARL1 ADP-ribosylation factor-like 1 [Homo sapiens (human)]
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

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SDS-PAGE

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