

Recombinant Human ARF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARF1-506H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARF1 MS Standard C13 and N15-labeled recombinant protein (NP_001019398) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	ADP-ribosylation factor 1 (ARF1) is a member of the human ARF gene family. The family members encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking as activators of phospholipase D. The gene products, including 6 ARF proteins and 11 ARF-like proteins, constitute a family of the RAS superfamily. The ARF proteins are categorized as class I (ARF1, ARF2 and ARF3), class II (ARF4 and ARF5) and class III (ARF6), and members of each class share a common gene organization. The ARF1 protein is localized to the Golgi apparatus and has a central role in intra-Golgi transport. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.
Molecular Mass	20.7 kDa
AA Sequence	MGNIFANLFKGLFGKKEMRILMVGLDAAGKTTILYKCLKLGEIVTTIPTIGFNVETVEYKN ISFTVWDVGGQDKIRPLWRHYFQNTQGLIFVVDSDNRERVNEAREELMRMLAEDEL RDAVLLVFANKQDLPNAMNAAEITDKLGLHSLRHRNWYIQATCATSGDGLYEGLDW

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LSNQLRNQKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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.

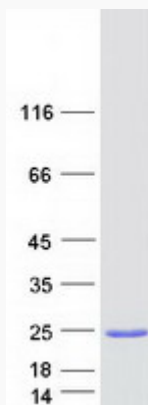
GENE INFORMATION

Gene Name	ARF1 ADP-ribosylation factor 1 [Homo sapiens (human)]
Official Symbol	ARF1
Synonyms	ARF1; ADP ribosylation factor 1; PVNH8; ADP-ribosylation factor 1
Gene ID	375
mRNA Refseq	NM_001024227
Protein Refseq	NP_001019398
MIM	103180
UniProt ID	P84077

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SDS-PAGE

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