

Human ARF1 Knockdown Cell Lysate

Cat. No. ARF1-048HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated ARF1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	21 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ARF1 KD HeLa cell lysate
Protein Pathways	Vibrio cholerae infection
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	ARF1 ADP-ribosylation factor 1 [Homo sapiens (human)]
Official Symbol	ARF1
Synonyms	ARF1; ADP-ribosylation factor 1;
Gene ID	375
mRNA Refseq	NM_001024226
Protein Refseq	NP_001019397
MIM	103180
UniProt ID	P84077

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