

Recombinant Human ARF1 293 Cell Lysate

Cat. No. ARF1-8761HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ADP-ribosylation factor 1 (ARF1), transcript variant 4 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [ARF1 ADP-ribosylation factor 1 \[Homo sapiens \]](#)

Official Symbol ARF1

Synonyms ARF1; ADP-ribosylation factor 1;

Gene ID [375](#)

mRNA Refseq [NM_001658](#)

Protein Refseq [NP_001649](#)

MIM [103180](#)

UniProt ID [P84077](#)

Chromosome Location 1q42.13

Pathway

Arf1 pathway, organism-specific biosystem; Arf6 downstream pathway, organism-specific biosystem; COPI Mediated Transport, organism-specific biosystem; Class I PI3K signaling events, organism-specific biosystem; Clathrin derived vesicle budding, organism-specific biosystem; Disease, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem;

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Function

GTP binding; GTPase activity; nucleotide binding; protein binding; receptor signaling
protein activity;

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