

Recombinant Mouse Arfrp1 Protein, Myc/DDK-tagged

Cat. No. Arfrp1-1677M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ADP-ribosylation factor related protein 1 (cDNA clone MGC:61235 IMAGE:5720540), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The gene encodes a membrane-associated GTPase that is related to the ADP-ribosylation factor (ARF) and ARF-like (ARL) genes. It plays an essential role in Golgi function controlling recruitment of GRIP domain proteins and ARL1 to the trans-Golgi and trans-Golgi to plasma membrane trafficking of cell surface proteins such as E-cadherin. Deletion of this gene in mice leads to embryonic lethality during early gastrulation, which is at least partly caused by the disruption of E-cadherin trafficking to the cell surface and therefore lack of sufficient cell-cell adhesion in the embryo. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	13.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Arfrp1 ADP-ribosylation factor related protein 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Arfrp1](#)

Synonyms Arfrp1; ADP-ribosylation factor related protein 1; AI480700; 1500006I01Rik; ADP-ribosylation factor-related protein 1; ARF-related protein 1; EC 3.6.5.1; EC 3.6.5.2; EC 3.6.5.3; EC 3.6.5.4

Gene ID [76688](#)

mRNA Refseq [NM_029702](#)

Protein Refseq [NP_083978](#)

UniProt ID [Q8BXL7](#)

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