

Recombinant Human ADP-Ribosylation Factor Interacting Protein 2, T7-tagged

Cat. No. ARFIP2-3036H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Human ARFIP2 protein was expressed in *E. coli* with T7-tag at the N-terminus. The molecular weight is 37856Da.

Species

Human

Source

E. coli

Description

ARFIP2 is a protein that in humans is encoded by the ARFIP2 gene. ARFIP2 is a ubiquitously expressed protein implicated in mediating cross talk between RAC and ARF small GTPases. It has been shown that ARFIP2 binds specifically to GTP-bound ARF1 and ARF6, but binds to Rac-GTP and Rac-GDP with similar affinities. The X-ray structure of arfaptin reveals an elongated, crescent-shaped dimer of 3-helix coiled-coils. Structures of arfaptin with Rac bound to either GDP or the slowly hydrolysable analog GMPPNP show that the switch regions adopt similar conformations in both complexes.

Sequences of amino acids

1-341 aa

Formulation

10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN₃. 10mM DTT.

Purity

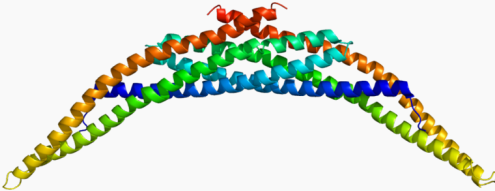
95%

GENE INFORMATION

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Gene Name	ARFIP2 ADP-ribosylation factor interacting protein 2 [Homo sapiens]
Synonyms	POR1;arfaptin-2; arfaptin 2; partner of RAC1 (arfaptin 2); ADP-ribosylation factor-interacting protein 2
Gene ID	23647
mRNA Refseq	NM_012402
Protein Refseq	NP_036534
MIM	601638
UniProt ID	P53365
Chromosome Location	11p15
Function	GTP binding; GTP-dependent protein binding; GTP-dependent protein binding; Rac GTPase binding; protein binding
PDBrendering based on 1i49.	

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