

Recombinant Human ARFIP2, His-tagged

Cat. No. ARFIP2-27057TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-261 of Human ARFIP2 with an N-terminal His Tag, approximately 30kDa
Species	Human
Source	E.coli
ProteinLength	1-261 a.a.
Description	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.
Conjugation	HIS
Form	Lyophilised:reconstitution with 105 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MTDGILGKAATMEIPIHGNGEARQLPEDDGLQDLQQVMV SGPNLNETSIVSGGYG
 GSGDGLIPTGSGRHPHSHSTTPS GPGDEVARGIAGEKFDIVKKWGINTYKCTKQLLS
 ERFG RGSRTVDLELELQIELLRETKRKYESVLQLGRALTAHLYS LLQTQHALGDAFA
 DLSQKSPELQEEFGYNAETQKLLCK NGETLLGAVNFFVSSINTLVTKTMEDTLMTVK
 QYEAAR LEYDAYRTDLEELSLGPRDAGTRGRLESA

GENE INFORMATION

Gene Name	ARFIP2 ADP-ribosylation factor interacting protein 2 [Homo sapiens]
Official Symbol	ARFIP2
Synonyms	ARFIP2; ADP-ribosylation factor interacting protein 2; arfaptin-2; arfaptin 2; POR1;
Gene ID	23647
mRNA Refseq	NM_001242854
Protein Refseq	NP_001229783
MIM	601638
Uniprot ID	P53365
Chromosome Location	11p15
Pathway	Arf1 pathway, organism-specific biosystem;
Function	GTP binding; GTP-dependent protein binding; GTP-dependent protein binding; Rac GTPase binding; protein binding;

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