

## Recombinant Human ARFIP2, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 1-261 of Human ARFIP2 with an N-terminal His Tag, approximately 30kDa
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-261 a.a.
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Form</b>	Lyophilised:reconstitution with 105 µl aqua dest.
<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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**Sequences of amino acids**

MTDGILGKAATMEIPIHGNGEARQLPEDDGLEQDLQQVMV SGPNLNETSIVSGGYG  
 GSGDGLIPTGSGRHPHSHSTTPS GPGDEVARGIAGEKFDIVKKWGINTYKCTKQLLS  
 ERFG RGSRTVDLELELQIELLRETKRKYESVLQLGRALTAHLYS LLQTQHALGDAFA  
 DLSQKSPELQEEFGYNAETQKLLCK NGETLLGAVNFFVSSINTLVTKTMEDTLMTVK  
 QYEAAR LEYDAYRTDLEELSLGPRDAGTRGRLESA

## GENE INFORMATION

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

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