

Recombinant Human ARF4, GST-tagged

Cat. No. ARF4-9801H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human ARF4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 1-180a.a.

Description This gene is a member of the human ARF gene family whose members encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The gene products include 5 ARF proteins and 11 ARF-like proteins and constitute one family of the RAS superfamily. The ARF proteins are categorized as class I, class II and class III; this gene is a class II member. The members of each class share a common gene organization. The ARF4 gene spans approximately 12kb and contains six exons and five introns. This gene is the most divergent member of the human ARFs. Conflicting map positions at 3p14 or 3p21 have been reported for this gene.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	ARF4 ADP-ribosylation factor 4 [Homo sapiens]
Official Symbol	ARF4
Synonyms	ARF4; ADP-ribosylation factor 4; ADP ribosylation factor 2 , ARF2; ADP-ribosylation factor 2; ARF2;
Gene ID	378
mRNA Refseq	NM_001660
Protein Refseq	NP_001651
MIM	601177
UniProt ID	P18085
Chromosome Location	3p21.2-p21.1
Pathway	EGFR1 Signaling Pathway, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem;
Function	GTP binding; GTPase activity; nucleotide binding; protein binding;

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