

Recombinant Human ARHGEF18, GST-tagged

Cat. No. ARHGEF18-9836H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARHGEF18 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-89a.a.
Description	Rho GTPases are GTP binding proteins that regulate a wide spectrum of cellular functions. These cellular processes include cytoskeletal rearrangements, gene transcription, cell growth and motility. Activation of Rho GTPases is under the direct control of guanine nucleotide exchange factors (GEFs). The protein encoded by this gene is a guanine nucleotide exchange factor and belongs to the Rho GTPase GFE family. Family members share a common feature, a Dbl (DH) homology domain followed by a pleckstrin (PH) homology domain. Alternatively spliced transcript variants encoding different isoforms have been identified.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	ARHGEF18 Rho/Rac guanine nucleotide exchange factor (GEF) 18 [Homo sapiens]
Official Symbol	ARHGEF18
Synonyms	ARHGEF18; Rho/Rac guanine nucleotide exchange factor (GEF) 18; rho/rac guanine nucleotide exchange factor (GEF) 18; rho guanine nucleotide exchange factor 18; KIAA0521; MGC15913; P114 RhoGEF; Rho specific guanine nucleotide exchange factor p114; SA-RhoGEF; p114RhoGEF; P114-RHO-GEF; septin-associated RhoGEF; Rho/Rac guanine nucleotide exchange factor 18; Rho-specific guanine nucleotide exchange factor p114; 114 kDa Rho-specific guanine nucleotide exchange factor; P114-RhoGEF;
Gene ID	23370
mRNA Refseq	NM_001130955
Protein Refseq	NP_001124427
UniProt ID	Q6ZSZ5
Chromosome Location	19p13.3
Pathway	Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; NRAGE signals death through JNK, organism-specific biosystem; Regulation of RhoA activity, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem;
Function	Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor

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activity;

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