

Recombinant Human ARHGEF18 protein, GST-tagged

Cat. No. ARHGEF18-783H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARHGEF18 full-length ORF (AAH08016.1, 1 a.a. - 89 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 DbI (DH) homology domain followed by a pleckstrin (PH) homology domain. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2008]
Molecular Mass	35.8 kDa
AA Sequence	MSQGMQRMHLETLLQQVDKWPLCGPLACSELLQLTVRSLEGWRKEVLGSIKGAGTS QGGEIHPRSSSGGERAHVKPCSAPQALVVGLGPG
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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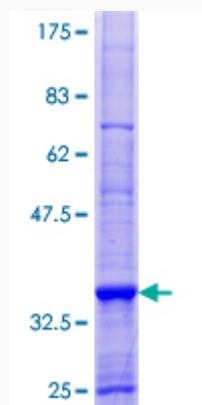
 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
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

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12.5% SDS-PAGE Stained with Coomassie Blue.

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