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Product datasheet for AR50419PU-N

RhoG (1-188, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RhoG (1-188, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMQS IKCVVVGDGA VGKTCLLICY TTNAFPKEYI PTVFDNYSAQ SAVDGRTVNL NLWDTAGQEE YDRLRTLSYP QTNVFVICFS IASPPSYENV RHKWHPEVCH HCPDVPILLV GTKKDLRAQP DTLRRLKEQG QAPITPQQGQ ALAKQIHAVR YLECSALQQD GVKEVFAEAV RAVLNPTPIK RGRSC
Tag:	His-tag
Predicted MW:	25.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer, pH 8.0, 20% glycerol, 50 mM Imidazole, 0.5M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RhoG protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001656
Locus ID:	391
UniProt ID:	P84095, Q6ICQ8
Cytogenetics:	11p15.4
Synonyms:	ARHG

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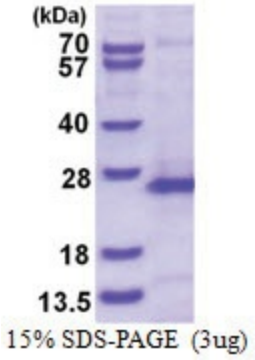
Summary: This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The encoded protein facilitates translocation of a functional guanine nucleotide exchange factor (GEF) complex from the cytoplasm to the plasma membrane where ras-related C3 botulinum toxin substrate 1 is activated to promote lamellipodium formation and cell migration. Two related pseudogene have been identified on chromosomes 20 and X. [provided by RefSeq, Aug 2011]

Product images:



15% SDS-PAGE (3ug)