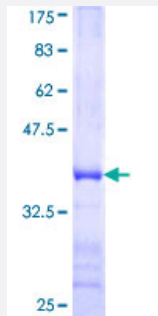


ARHGEF12 (Human) Recombinant Protein (Q01)

Catalog # H00023365-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ARHGEF12 partial ORF (NP_056128, 817 a.a. - 916 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VSREGILSPSELRKIFSNLEDILQLHIGLNEQMKAVRKRNETSVIDQIGEDLLTWFSGPGEELKHA AATFCSNQPFALMIKSRQKKDSRFQTFVQDAE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (89); Rat (88)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ARHGEF12

Entrez GeneID [23365](#)

GeneBank Accession# [NM_015313](#)

Protein Accession# [NP_056128](#)

Gene Name ARHGEF12

Gene Alias DKFZp686O2372, KIAA0382, LARG, PRO2792

Gene Description Rho guanine nucleotide exchange factor (GEF) 12

Omim ID [601626](#) [604763](#)

Gene Ontology [Hyperlink](#)

Gene Summary Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may form a complex with G proteins and stimulate Rho-dependent signals. This protein is observed to form myeloid/lymphoid fusion partner in acute myeloid leukemia. [provided by RefSeq]

Other Designations leukemia-associated rho guanine nucleotide exchange factor

Pathway

- [Axon guidance](#)
- [Regulation of actin cytoskeleton](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Angina Pectoris](#)
- [Coronary Vasospasm](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Metabolic Syndrome X](#)
- [Tobacco Use Disorder](#)