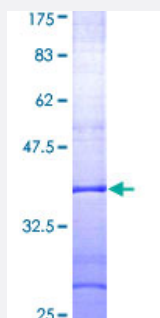


RAPGEF5 (Human) Recombinant Protein (Q01)

Catalog # H00009771-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RAPGEF5 partial ORF (AAH39203, 345 a.a. - 444 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AYRDAFKKMKPPKIPFVPLLLKDVTFIHEGNKTFLDNLVNFEKLHMIADTVRTLRLHCRITNQFGDLSP KEHQELKSYVNHLYVIDSQQALFELSHRIEPRV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (94)
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 — RAPGEF5

Entrez GeneID [9771](#)

GeneBank Accession# [BC039203](#)

Protein Accession# [AAH39203](#)

Gene Name RAPGEF5

Gene Alias GFR, KIAA0277, MR-GEF, REPAC

Gene Description Rap guanine nucleotide exchange factor (GEF) 5

Omim ID [609527](#)

Gene Ontology [Hyperlink](#)

Gene Summary Members of the RAS (see HRAS; MIM 190020) subfamily of GTPases function in signal transduction as GTP/GDP-regulated switches that cycle between inactive GDP- and active GTP-bound states. Guanine nucleotide exchange factors (GEFs), such as RAPGEF5, serve as RAS activators by promoting acquisition of GTP to maintain the active GTP-bound state and are the key link between cell surface receptors and RAS activation (Rebhun et al., 2000 [PubMed 10934204]).[supplied by OMIM]

Other Designations M-Ras-regulated GEF|guanine nucleotide exchange factor for Rap1

Disease

- [Tobacco Use Disorder](#)