

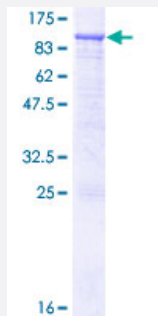
Full-Length

RASGRP3 (Human) Recombinant Protein (P01)

Catalog # H00025780-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RASGRP3 full-length ORF (NP_733772.1, 1 a.a. - 690 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGSSGLGKAATLDELLCTCIEMFDDNGELDNSYLPRVLLMHRWYLSSTELAEEKLLCMYRNATGE
SCNEFRLKICYFMRYWILKFPAEFNLDLGLIRMTEEFREVASQLGYEKHVSLIDISSIPSYDWMRRVT
QRKKVSKKGKACLLFDHLEPIELAEHLTFLEHKSFRISFTDYQSYVIHGCLENNPTLERSIALFNGI
SKWVQLMVL SKPTPQQRAEVITKFINVAKLLQLKNFNTLMVVGGLSHSSISRLKETHSHLSSEV
TKNWNEMTELVSSNGNYCNYRKAFADCDGFKIPILGVHLKDIAVHVIFPDWTEENKVNIVKMHQL
SVTLSELVSLQNASHHLEPNMDLINLLTSLDLYHTEDDIYKLSLVLEPRNSKSQPTSPPTPNKPVV
PLEWALGVMPKPDPTVINKHIRKLVESVFRNYDHDHDGYISQEDFESIAANFPFLDSFCVLDKDQ
DGLISKDEMMAYFLRAKSQLHCKMGPFGFIHNFQEMTYLKPTFCEHCAGFLWGIKQGYKCKDCGA
NCHKQCKDLLVLACRRFARAPSLSSGHGSLPGSPSLPPAQDEVFEFPGVTAGHRDLDSRAITLV
TGSSRKISVRLQRATTSQATQTEPVWSEAGWGDSGSHTFPKMKSKFHDKAAKDKGFAKWENE
KPRVHAGVDVVDRGTEFELDQDEGEETRQDGEDG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

104.7

Interspecies Antigen Sequence

Mouse (94); Rat (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 — RASGRP3

Entrez GeneID	25780
GeneBank Accession#	NM_170672.1
Protein Accession#	NP_733772.1
Gene Name	RASGRP3
Gene Alias	GRP3, KIAA0846
Gene Description	RAS guanyl releasing protein 3 (calcium and DAG-regulated)
Omim ID	609531
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 RASGRP3, 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

guanine nucleotide exchange factor for Rap1

Pathway

- [B cell receptor signaling pathway](#)
- [MAPK signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Tobacco Use Disorder](#)