

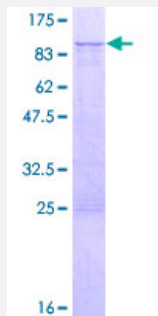
Full-Length

RASGRP2 (Human) Recombinant Protein (P01)

Catalog # H00010235-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RASGRP2 full-length ORF (NP_005816.2, 1 a.a. - 671 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGTQRLCGRGTQGWPGSSEQHVQEATSSAGLHSGVDELGVRSEPGGRLPERSLGAHPAPAA
MAGTLDLDKGCTVEELLRGCIEAFDDSGKVRDPQLVRMFLMMHPWYIPSSQLAAKLLHIYQQSRK
DNSNSLQVKTCHLVRYWISAFPAEFDLNPELAEQIKELKALLDQEGNRRHSSLIDSVPTYKWKR
QVTQRNPVGQKKRKMSLLFDHLEPMELAEHLTYLEYRSFCKILFQDYHSFVTHGCTVDNPVLERFI
SLFNSVSQWVQLMILSKPTAPQRALVITHFVHVAEKLLQLQNFNTLMAVVGGLSHSSISRLKETHS
HVSPETIKLWEGLTELVTATGNYGNYRRRLAACVGFRFPILGVHLKDLVALQLALPDWLDPARTRL
NGAKMKQLFSILEELAMVTSLRPPVQANPDLLSLLTVSLDQYQTEDELYQLSLQREPRSKSSPTS
PTSCTPPPRPPVLEEWTSAAKPKLDQALVVEHIEKMVESVFRNFDVDGDGHISQEEFQIIRGNFP
YLSAFGDLQNDGDCISREEMVSYFLRSSSVLGGRMGFVHNFQESNSLRPVACRHCKALILGYK
QGLKCRACGVNCHKQCKDRLSVECRRAQSVSLEGSAPSPSPMHSHHHRAFSFSLPRPGRRG
SRPPEIREEEVQTVEDGVFDIHL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

101.9

Interspecies Antigen Sequence

Mouse (96)

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 — RASGRP2

Entrez GeneID	10235
GeneBank Accession#	NM_005825.2
Protein Accession#	NP_005816.2
Gene Name	RASGRP2
Gene Alias	CALDAG-GEFI, CDC25L
Gene Description	RAS guanyl releasing protein 2 (calcium and DAG-regulated)
Omim ID	605577
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a brain-enriched nucleotide exchanged factor that contains a n N-terminal GEF domain, 2 tandem repeats of EF-hand calcium-binding motifs, and a C-terminal diacylglycerol/phorbol ester-binding domain. This protein can activate small GTPases, including RAS and RAP1/RAS3. The nucleotide exchange activity of this protein can be stimulated by calcium and diacylglycerol. Three alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000042931|OTTHUMP00000069245|OTTHUMP00000069246|RAS guanyl nucleotide-releasing protein 2|RAS guanyl releasing protein 2|calcium and DAG-regulated guanine nucleotide exchange factor 1|calcium and diacylglycerol-regulated guanine nucleotide exchan

Pathway

- [Chemokine signaling pathway](#)
- [MAPK signaling pathway](#)