



Recombinant Human RAS guanyl-releasing protein 2 (RASGRP2)

Product Code	CSB-MP752103HU
Abbreviation	RASGRP2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q7LDG7
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MAGTLDLDKG CTVEELLRGC IEAFDDSGKV RDPQLVRMFL MMHPWYIPSS QLAAKLLHIY QQSRKDNSNS LQVKTCHLVR YWISAFPAEF DLNPELAEQI KELKALLDQE GNRHSSLID IDSVPTYKWK RQVTQRNPVG QKKRKMSLLF DHLEPMELAE HLTYLEYRSF CKILFQDYHS FVTHGCTVDN PVLERFISLF NSVSQWVQLM ILSKPTAPQR ALVITHFVHV AEKLLQLQNF NTLMAVVGGL SHSSISRLKE THSHVSPETI KLWEGLTELV TATGNYGNYR RRLAACVGFR FPILGVHLKD LVALQLALPD WLDPARTRLN GAKMKQLFSI LEELAMVTSL RPPVQANPDL LSLLTVSLDQ YQTEDELYQL SLQREPRSKS SPTSPTSCTP PPRPPVLEEW TSAAKPKLDQ ALVVEHIEKM VESVFRNFDV DGDGHISQEE FQIIRGNFPY LSAFGDLQDN QDGCISREEM VSYFLRSSSV LGGRMGFVHN FQESNSLRPV ACRHCKALIL GIYKQGLKCR ACGVNCHKQC KDRLSVECRR RAQSVSLEGS APSPSPMHS HHRAFSFLP RPGRGRSRPP EIREEEVQTV EDGVFDIHL
Source	Mammalian cell
Target Names	RASGRP2
Protein Names	Recommended name: RAS guanyl-releasing protein 2 Alternative name(s): Calcium and DAG-regulated guanine nucleotide exchange factor I Short name= CaIDAG-GEFI Cdc25-like protein Short name= hCDC25L F25B3.3 kinase-like protein
Expression Region	1-609
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein is a brain-enriched nucleotide exchanged factor that contains an 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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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