



# Recombinant Human RAS guanyl-releasing protein 2 (RASGRP2)

<b>Product Code</b>	CSB-EP752103HU
<b>Abbreviation</b>	RASGRP2
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q7LDG7
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MAGTLDLDKG CTVEELLRGC IEAFDDSGKV RDPQLVRMFL MMHPWYIPSS QLAAKLLHIY QQSRKDNSNS LQVKTCHLVR YWISAFPAEF DLNPELAEQI KELKALLDQE GNRRHSSLID 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 KDRLSVECR RAQSVSLEGS APSPSPMHS HHRAFSFLP RPGRGRSRPP EIREEEVQTV EDGVFDIHL
<b>Source</b>	E.coli
<b>Target Names</b>	RASGRP2
<b>Protein Names</b>	Recommended name: RAS guanyl-releasing protein 2 Alternative name(s): Calcium and DAG-regulated guanine nucleotide exchange factor I Short name= CalDAG-GEFI Cdc25-like protein Short name= hCDC25L F25B3.3 kinase-like protein
<b>Expression Region</b>	1-609
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

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**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.

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**Shelf Life**

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