

Product datasheet for **TP317525M**

RASGRP2 (NM_153819) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human RAS guanyl releasing protein 2 (calcium and DAG-regulated) (RASGRP2), transcript variant 2, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC217525 protein sequence
Red=Cloning site **Green**=Tags(s)

MAGTLDLDKGCTVEELLRGCIEAFDDSGKVRDPQLVRMFLMMHPWYIPSSQLAAKLLHIYQQSRKDNSNS
LQVKTCHLVRYWISAFPAEFDLNPDLAEQIKELKALLDQEGNRRHSSLIDIDSVPYKWKQRQVTQRNPVG
QKKRKMSLLFDHLEPMELAEHLTYLEYSFCKILFQDYHSFVTHGCTVDNPNVLERFISLNSVSQWVQLM
ILSKPTAPQRALVITHFVHVAEKLLQLQNFNTLMAVVGGLSHSSISRLKETHSHVSPETIKLWEGLTELV
TATGNYGNYRRRLAACVGRFRFPILGVHLKDLVALQLALPDWLDPARTRLNGAKMKQLFSILEELAMVTSL
RPPVQANPDLLSLLTVSLDQYQTEDELYQLSLQREPRSKSSPTSPTSCTPPPRPPVLEEWTSAAKPKLDQ
ALVVEHIEKMVESVFRNFDVDGDGHISQEEFQIIRGNFPYLSAFGLDQNDGDCISREEMVSYFLRSSSV
LGGRMGFVHNFQESNSLRPVACRHCKALILGIYKQGLKCRACGVNCHKQCKDRLSVECRRRRAQSVSLEGS
APSPSPMHSHHHRAFSFSLPRPGRRGRSPPPEIREEEVQTVEDGVFDIHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 69.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

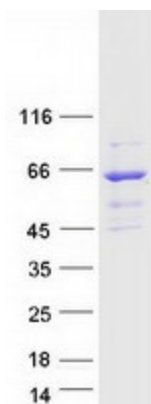
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_722541</u>
Locus ID:	10235
UniProt ID:	<u>Q7LDG7</u>
RefSeq Size:	2310
Cytogenetics:	11q13.1
RefSeq ORF:	1827
Synonyms:	CALDAG-GEFI; CDC25L
Summary:	The protein encoded by this gene 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. Four alternatively spliced transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]
Protein Pathways:	Chemokine signaling pathway, MAPK signaling pathway

Product images:



Coomassie blue staining of purified RASGRP2 protein (Cat# [TP317525]). The protein was produced from HEK293T cells transfected with RASGRP2 cDNA clone (Cat# [RC217525]) using MegaTran 2.0 (Cat# [TT210002]).