

Product datasheet for **TP312719M**

RASGRP2 (NM_001098671) 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 4, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212719 protein sequence Red =Cloning site Green =Tags(s)

MAGTLDLKDGCTVEELLRGCIEAFDDSGKVRDPQLVRMFLMMHPWYIPSSQLAAKLLHIYQQSRKDNSNS
LQVKTCHLVRYWISAFPAEFDLNPDLAEQIKELKALLDQEGNRRHSSLIDIDSVPTYKWKQVTRQNPVG
QKKRKMSSLLFDHLEPMELAEHLTYLEYSFCKILFQDYHSFVTHGCTVDNPNVLERFISLNSVSQWVQLM
ILSKPTAPQRALVITHFVHVAEKLLQLQNFNTLMAVVGGLSHSSISRLKETHSHVSPETIKLWEGLTELV
TATGNYGNYYRRRLAACVGRFPILGVHLKDLVALQLALPDWLDPARTRLNGAKMKQLFSILEELAMVTSL
RPPVQANPDLLSLLTVSLDQYQTEDELYQLSLQREPRKSSPTSPTSCTPPPRPPVLEEWTSAAKPKLDQ
ALVVEHIEKMVESVFRNFDVDGDGHISQEEFQIIRGNFPYLSAFGLDQNDGDCISREEMVSYFLRSSSV
LGGRMGFVHNFQESNSLRPVACRHCKALILGIYKQGLKCRACGVNCHKQCKDRLSVECRRRRAQSVSLEGS
APSPSPMHSHHHRAFSFSLPRPGRRGRSPPPEIREEEVQTVEDGVFDIHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

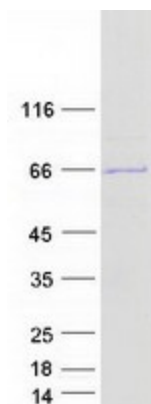
Tag:	C-Myc/DDK
Predicted MW:	69.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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:	NP_001092141
Locus ID:	10235
UniProt ID:	Q7LDG7
RefSeq Size:	2284
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# [TP312719]). The protein was produced from HEK293T cells transfected with RASGRP2 cDNA clone (Cat# [RC212719]) using MegaTran 2.0 (Cat# [TT210002]).