

## Product datasheet for TP312672

### RASGRP2 (NM\_001098670) 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 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212672 protein sequence Red=Cloning site Green=Tags(s)

MAGTLDLKDGCTVEELLRGCIEAFDDSGKVRDPQLVRMFLMMHPWYIPSSQLAAKLLHIYQQSRKDNSNS  
LQVKTCHLVRYWISAFPAEFDLNPDLAEQIKELKALLDQEGNRRHSSLIDIDSVPYKWKQRQVTQRNPVG  
QKKRKMSSLLFDHLEPMELAEHLTYLEYSFCKILFQDYHSFVTHGCTVDNPVLERFISLNSVSQWVQLM  
ILSKPTAPQRALVITHFVHVAEKLLQLQNFNTLMAVVGGLSHSSISRLKETHSHVSPETIKLWEGLTELV  
TATGNYGNYYRRRLAACVGRFPILGVHLKDLVALQLALPDWLDPARTRLNGAKMKQLFSILEELAMVTSL  
RPPVQANPDLLSLLTVSLDQYQTEDELYQLSLQREPRSKSSPTSPTSCTPPPPVLEEWTSAAKPKLDQ  
ALVVEHIEKMVESVFRNFDVDGDGHISQEEFQIIRGNFPYLSAFGLDQNDGDCISREEMVSYFLRSSSV  
LGGRMGFVHNFQESNSLRPVACRHCKALILGIYKQGLKCRACGVNCHKQCKDRLSVECRRRRAQSVSLEGS  
APSPSPMHSHHHRAFSFSLPRPGRRGRSPPPEIREEEVQTVEDGVFDIHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

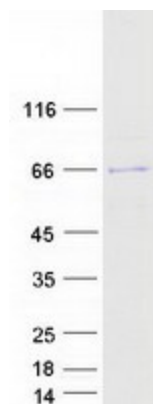
Tag:	C-Myc/DDK
Predicted MW:	69.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001092140</a>
<b>Locus ID:</b>	10235
<b>UniProt ID:</b>	<a href="#">Q7LDG7</a>
<b>RefSeq Size:</b>	2244
<b>Cytogenetics:</b>	11q13.1
<b>RefSeq ORF:</b>	1827
<b>Synonyms:</b>	CALDAG-GEFI; CDC25L
<b>Summary:</b>	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]
<b>Protein Pathways:</b>	Chemokine signaling pathway, MAPK signaling pathway

### Product images:



Coomassie blue staining of purified RASGRP2 protein (Cat# TP312672). The protein was produced from HEK293T cells transfected with RASGRP2 cDNA clone (Cat# [RC212672]) using MegaTran 2.0 (Cat# [TT210002]).