

## Product datasheet for TP317525L

### 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, 1 mg

**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  
 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.

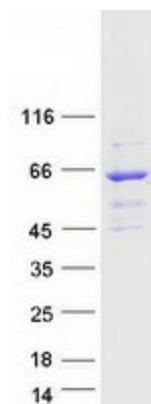
**Storage:** Store at -80°C.



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<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>	<u>NP_722541</u>
<b>Locus ID:</b>	10235
<b>UniProt ID:</b>	<u>Q7LDG7</u>
<b>RefSeq Size:</b>	2310
<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# [TP317525]). The protein was produced from HEK293T cells transfected with RASGRP2 cDNA clone (Cat# [RC217525]) using MegaTran 2.0 (Cat# [TT210002]).