

## Product datasheet for PH312672

### RASGRP2 (NM\_001098670) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RASGRP2 MS Standard C13 and N15-labeled recombinant protein (NP_001092140)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212672
Predicted MW:	69.2 kDa
Protein Sequence:	>RC212672 protein sequence Red=Cloning site Green=Tags(s)

MAGTLDLKDGCTVEELLRGICIEAFDDSGKVRDPQLVRFMLMHPWYIPSSQLAAKLLHIYQQSRKDNSNS  
LQVKTCHLVRYWISAFPAEFDLNPELAEQIKELKALLDQEGNRRHSSLIDIDSVPTYKWKQVTQRNPVG  
QKKRKMSLLFDHLEPMELAEHLTYEYRSFKILFQDYHSFVTHGCTVDNPVLERFISLFNSVSQWVQLM  
ILSKPTAPQRALVITHFVHVAEKLLQLQNFNTLMAVVGGLSHSSISRLKETHSHVSPETIKLWEGLTEL  
TATGNYGNRRRLAACVGFRRFPILGVHLKDLVALQLALPDWLDPARTLNGAKMKQLFSILEELAMVTS  
L RPPVQANPDLLSLLTVSLDQYQTEDEL YQLSLQREPRSSPTSPCTPPRPPVLEEWTSAAKPKLDQ  
ALVVEHIEKMVESVFRNFDVDDGDGHSIQEEFQIRGNFPYLSAFGLDQNDGCSREEMVSFYLRS  
SSV LGGRMGFVHNFQESNSLRPVACRHKALILGIYKQGLKCRACGVNCHKQCKDRLSVECRRAQSVSLEGS  
APSPSPMHSHHRAF SFSLPRPGRRRSRPPEIREEEVQTVEDGVFDIHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001092140</a>
RefSeq Size:	2244
RefSeq ORF:	1827



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**Synonyms:** CALDAG-GEFI; CDC25L

**Locus ID:** 10235

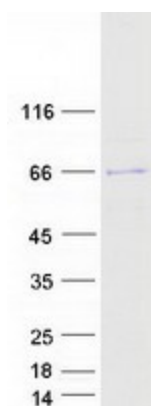
**UniProt ID:** [Q7LDG7](#)

**Cytogenetics:** 11q13.1

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