

## Product datasheet for PH326046

### RACGAP1 (NM\_001126104) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RACGAP1 MS Standard C13 and N15-labeled recombinant protein (NP_001119576)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226046
Predicted MW:	71 kDa
Protein Sequence:	>RC226046 protein sequence Red=Cloning site Green=Tags(s)

MDTMMMLNVRNLFELVRRVEILSEGNEVQFIQLAKDFEDFRKKWQRTDHELKGYKDLLMKAETERSALDV  
KLKHARNQVDVEIKRRQRAEADCEKLERQIQLIREMLMCDTSGSIQLSEEQKSALAFNLRGQPSSSNAGN  
KRLSTIDESGSILSDISFDKTDESLEDWSSLVKTFKLLKREKRRSTSRQFVDGPPGPVKTRSIGSAVDQ  
GNESIVAKTTVTPNDGGPIEAVSTIETVPYWTRSRRKTGTLQPWNSDSTLNSRQLEPRTEETDSVGTQPS  
NGMRLHDFVSKTVIKPESCVPCGKRIKFGKLSLKCRCRVVSHPECRDRCLPCIPTLIGTPVKIGEGM  
LADFVSQTSMPISIVVHCVNEIEQRGLTETGLYRISGCDRTVKELKEKFLRVKTVPLLSKVDDIHAICS  
LLKDFLRLNKEPLLTFRLNRAFMAAEITDEDNSIAAMYQAVGELPQANRDTLAFMIHLQRVAQSPHTK  
MDVANLAKVFGPTIVAHAVPNPDPVTMLQDIKQPKVVERLLSLPLEYWSQFMMVEQENIDPLHVIENS  
AFSTPQTPDIKVSLLGPVTTPEHQLLKTPSSSSLQRVRSSTLTKNTPRFGSKSKSATNLGRQGNFFASPM  
LK

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_001119576</a>
RefSeq Size:	3206



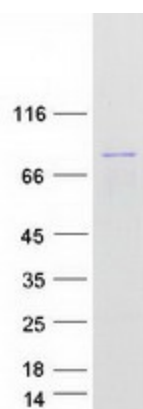
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RefSeq ORF:	1896
Synonyms:	CYK4; HsCYK-4; ID-GAP; MgcRacGAP
Locus ID:	29127
UniProt ID:	<a href="#">Q9H0H5</a> , <a href="#">A0A024R136</a>
Cytogenetics:	12q13.12

**Summary:** This gene encodes a GTPase-activating protein (GAP) that is a component of the centralspindlin complex. This protein binds activated forms of Rho GTPases and stimulates GTP hydrolysis, which results in negative regulation of Rho-mediated signals. This protein plays a regulatory role in cytokinesis, cell growth, and differentiation. Alternatively spliced transcript variants have been found for this gene. There is a pseudogene for this gene on chromosome 12. [provided by RefSeq, Feb 2016]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified RACGAP1 protein (Cat# [TP326046]). The protein was produced from HEK293T cells transfected with RACGAP1 cDNA clone (Cat# [RC226046]) using MegaTran 2.0 (Cat# [TT210002]).