

Product datasheet for PH326045

RACGAP1 (NM_001126103) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RACGAP1 MS Standard C13 and N15-labeled recombinant protein (NP_001119575)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226045
Predicted MW:	71 kDa
Protein Sequence:	>RC226045 protein sequence Red=Cloning site Green=Tags(s)

MDTMMMLNVRNLFELVRRVEILSEGNEVQFIQLAKDFEDFRKKWQRTDHELKGYKDLLMKAETERSALDV
 KLKHARNQVDVEIKRRQRAEADCEKLERQIQLIREMLMCDTSGSIQLSEEQKSALAFLNRGQPSSSNAGN
 KRLSTIDESGSILSDISFDKTDESLEDWSSLVKTFKLLKREKRRSTSRQFVDGPPGPVKTRSIGSAVDQ
 GNEISIVAKTTVTPNDGGPIEAVSTIETVPYWTRSRRKTGTLQPWNSDSTLNSRQLEPRTEETDSVGTQPS
 NGMRLHDFVSKTVIKPESCVPCGKRIKFGKLSLKRDCRVVSHPECRDRCLPCIPTLIGTPVKIGEGM
 LADFVSQTSMPISIVVHCVNEIEQRGLTETGLYRISGCDRTVKELKEKFLRVKTVPLLKVVDDIHAICS
 LLKDFLRLNKEPLLTFRLNRAFMAAEITDEDNSIAAMYQAVGELPQANRDTLAFMIHLQRVAQSPHTK
 MDVANLAKVFGPTIVAHAVPNPDPVTMLQDIKQPKVVERLLSLPLEYWSQFMMVEQENIDPLHVIENSN
 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_001119575
RefSeq Size:	3326



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RefSeq ORF: 1896

Synonyms: CYK4; HsCYK-4; ID-GAP; MgcRacGAP

Locus ID: 29127

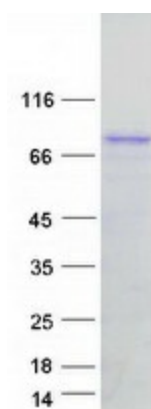
UniProt ID: [Q9H0H5](#), [A0A024R136](#), [B2RE34](#)

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# [TP326045]). The protein was produced from HEK293T cells transfected with RACGAP1 cDNA clone (Cat# [RC226045]) using MegaTran 2.0 (Cat# [TT210002]).