

Product datasheet for TP326045

RACGAP1 (NM_001126103) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens Rac GTPase activating protein 1 (RACGAP1), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC226045 protein sequence Red=Cloning site Green=Tags(s)

MDTMMLNVRNLFELVRRVEILSEGNEVQFIQLAKDFEDFRKKWQRTDHELKGYKDLLMKAETERSALDV
 KLKHARNQVDVEIKRRQRAEADCEKLERQIQLIREMLMCDTSGSIQLSEEQKSALAFNLRGQPSSSNAGN
 KRLSTIDESGSILSDISFDKTDESLEDWSSLVKTFKLLKREKRRSTRQFVDGPPGPVKKTRSIGSAVDQ
 GNESIVAKTTVTPNDGGPIEAVSTIETVPYWTRSRRKTGTLQPWNSDSTLNSRQLEPRTETDSVGTGPQS
 NGGMRLHDFVSKTVIKPESCVPCGKRIKFGKLSLKRDCRVVSHPECRDRCLPCIPTLIGTPVKIGEGM
 LADFVSQTSPMIPSIVVHCVNEIEQRGLTETGLYRISGCDRTVKELKEKFLRVKTVPLLSKVDDIHAICS
 LLKDFLRNLKEPLLTFRLNRAFMEAAEITDEDNSIAAMYQAVGELPQANRDTLAFLMIHLQRVAQSPHTK
 MDVANLAKVFGPTIVAHAVPNPDPVTMLQDIKRPKVVRLSLPLEYWSQFMMVEQENIDPLHVIENSN
 AFSTPQTPDIKVSLLGPVTTPEHQLLKTPSSSSLSQRVRSSTLTKNTPRFGSKSKSATNLGRQGNFFASPM
 LK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

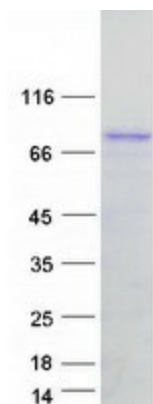
Tag:	C-Myc/DDK
Predicted MW:	70.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001119575
Locus ID:	29127
UniProt ID:	Q9H0H5 , A0A024R136 , B2RE34
RefSeq Size:	3326
Cytogenetics:	12q13.12
RefSeq ORF:	1896
Synonyms:	CYK4; HsCYK-4; ID-GAP; MgcRacGAP
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]).