

Recombinant Human RACGAP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RACGAP1-1576H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RACGAP1 MS Standard C13 and N15-labeled recombinant protein (NP_001119576) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	71 kDa
AA Sequence	MDTMMLNVRNLFEQLVRRVEILSEGNEVQFIQLAKDFEDFRKKWQRTDHELKGYKD LLMKAETERSALDVKLKHARNQVDVEIKRRQRAEADCEKLERQIQLIREMLMCDTSG SIQLSEEQKSALAFNLNRGQPSSSNAGNKRLSTIDESGSILSDISFDKTDDESLDWDSSL VKTFKLKKREKRRSTSRQFVDGPPGPVKKTRSIGSAVDQGNESIVAKTTVTPNDG GPIEAVSTIETVPYWTRSRRKTGTLQPWNDSSTLNSRQLEPRTETDSVGTPQSNGG MRLHDFVSKTVIKPESCVPCGKRIKFGKLSLKCRDCRVVSHPECRDRCP LPCIPTLIG TPVKIGEGMLADFVSQTSMPISIVVHCVNEIEQRGLTETGLYRISGCDRTVKELKEK

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FLRVKTVPLLSKVDDIHAICSLLKDFLRNLKEPLLTFRLNRAFMEAAEITDEDNSIAAM
YQAVGELPQANRDTLAFLMIHLQRVAQSPHTKMDVANLAKVFGPTIVAHAVPNPDPV
TMLQDIKRQPKVVERLLSLPLEYWSQFMMVEQENIDPLHVIENSNAFSTPQTPDIKVS
LLGPVTTPEHQLLKTPSSSSLSQRVRSTLTKNTPRFGSKSKSATNLGRQGNFFASP
MLKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [RACGAP1 Rac GTPase activating protein 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [RACGAP1](#)

Synonyms RACGAP1; Rac GTPase activating protein 1; rac GTPase-activating protein 1; MgcRacGAP; protein CYK4 homolog; male germ cell RacGap; GTPase activating protein; CYK4; ID-GAP; HsCYK-4;

Gene ID [29127](#)

mRNA Refseq [NM_001126104](#)

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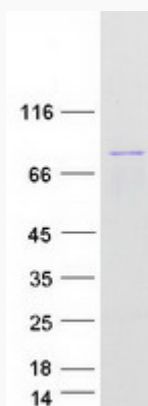
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Protein Refseq NP_001119576

MIM 604980

UniProt ID Q9H0H5

SDS-PAGE



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