

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

**Cat. No.** RACGAP1-4699H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | RACGAP1 MS Standard C13 and N15-labeled recombinant protein (NP_001119575) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 71 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MDTMMNLNVRNLFEQLVRRVEILSEGNEVQFIQLAKDFEDFRKKWQRTDHELKGYKD<br>LLMKAETERSALDVKLKHARNQVDVEIKRRQRAEADCEKLERQIQLIREMLMCDTSG<br>SIQLSEEQKSALAFNLNRGQPSSSNAGNKRLLSTIDESGSILSDISFDKTDDESLDWDSSL<br>VKTFKLKKREKRRSTSRQFVDGPPGPVKKTRSIGSAVDQGNESIVAKTTVTPNDG<br>GPIEAVSTIETVPYWTRSRRKTGTLQPWNDSSTLNSRQLEPRTETDSVGTPQSNGG<br>MRLHDFVSKTVIKPESCVPCGKRIKFGKLSLKCRDCRVVSHPECRDRCPLPCIPTLIG<br>TPVKIGEGMLADFVSQTSMPMIPSIVVHCVNEIEQRGLTETGLYRISGCDRTVKELKEK                                  |

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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\\_001126103](#)

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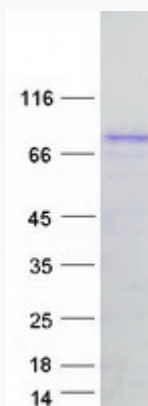
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**Protein Refseq** NP\_001119575

**MIM** 604980

**UniProt ID** Q9H0H5

**SDS-PAGE**



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