

Recombinant Human RAC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RAC1-5665H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAC1 MS Standard C13 and N15-labeled recombinant protein (NP_061485) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	23.3 kDa
AA Sequence	MQAIKCVVVG DGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGLWD TAGQEDYDRLRPLSYPQTVGETYGKDITSRGKDKPIADVFLICFSLVSPASFENVRAK WYPEVRHHCPNTPILVGTKLDLRDDKDTIEKLKEKKLTPTYPQGLAMAKEIGAVKYL ECSALTQRGLKTVFDEAIRAVLCPPPVKKRKRKCLLLTRTRPLEQKLISEEDLAANDIL DYKDDDDKV
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

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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 RAC1 Rac family small GTPase 1 [Homo sapiens (human)]

Official Symbol RAC1

Synonyms RAC1; ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1); ras-related C3 botulinum toxin substrate 1; p21 Rac1; Rac 1; TC 25; ras-like protein TC25; cell migration-inducing gene 5 protein; MIG5; Rac-1; TC-25; p21-Rac1; MGC111543;

Gene ID 5879

mRNA Refseq NM_018890

Protein Refseq NP_061485

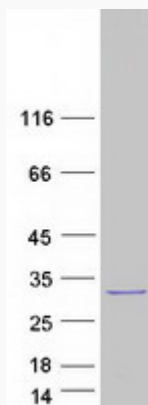
MIM 602048

UniProt ID P63000

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SDS-PAGE

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