

Recombinant Full Length Human RAC3 Protein, C-Flag-tagged

Cat. No. RAC3-1207HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RAC3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	1-192 a.a.
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. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	21.2 kDa
AA Sequence	MQAIKCVVVG DGAVGKTC LLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGLWD TAGQEDYDRLRPL SYPQTDVFLICFSLVSPASFENVR AKWYPEVRHHCPHTPILLVG TKL DLRDDKDTIERLRDKKLAPITYP QGLAMAREIGSVKYLECSALTQRGLKTVFDEAIRAVLCPPPVKKPGKKCTVFTRTRP LEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Adherens junction, Axon guidance, B cell receptor signaling pathway, Colorectal cancer, Fc epsilon RI signaling pathway, Focal adhesion, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, Pancreatic cancer, Pathways in cancer, Regulation of actin cytoskeleton, VEGF signaling pathway, Viral myocarditis, Wnt signaling pathway
Full Length	Full L.

GENE INFORMATION

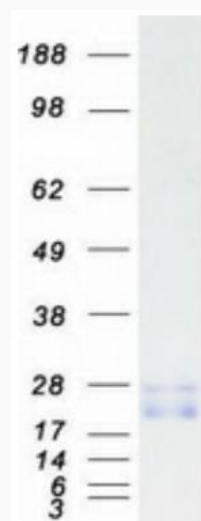
Gene Name	RAC3 Rac family small GTPase 3 [Homo sapiens (human)]
Official Symbol	RAC3
Synonyms	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3); rho family, small GTP binding protein Rac3

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Gene ID	5881
mRNA Refseq	NM_005052.3
Protein Refseq	NP_005043.1
MIM	602050
UniProt ID	P60763



Coomassie blue staining of purified RAC3 protein.