

Product datasheet for PH308711

RAC1 (NM_006908) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RAC1 MS Standard C13 and N15-labeled recombinant protein (NP_008839)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208711
Predicted MW:	21.5 kDa
Protein Sequence:	>RC208711 protein sequence Red=Cloning site Green=Tags(s) MQAIKCVVVDGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGLWDTAGQEDYDRLRPL SYPQTDVFLICFSLVSPASFENVRKWPYEVRRHCPNTP IILVGTKLDLRDDKDTIEKLEKELTPITYP QGLAMAKEIGAVKYLECSALTQRGLKTVFDEAIRAVLCPPPVKRKRKCLLL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_008839
RefSeq Size:	2341
RefSeq ORF:	576
Synonyms:	MIG5; MRD48; p21-Rac1; Rac-1; TC-25
Locus ID:	5879
UniProt ID:	P63000 , A4D2P1



[View online »](#)

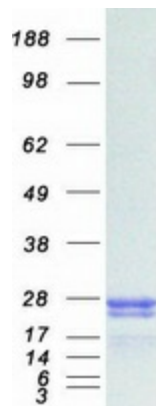
Cytogenetics: 7p22.1

Summary: 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. [provided by RefSeq, Mar 2009]

Protein Families: Druggable Genome

Protein Pathways: Adherens junction, Amyotrophic lateral sclerosis (ALS), Axon guidance, B cell receptor signaling pathway, Chemokine signaling pathway, Colorectal cancer, Epithelial cell signaling in Helicobacter pylori infection, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Pancreatic cancer, Pathways in cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, Toll-like receptor signaling pathway, VEGF signaling pathway, Viral myocarditis, Wnt signaling pathway

Product images:



Coomassie blue staining of purified RAC1 protein (Cat# [TP308711]). The protein was produced from HEK293T cells transfected with RAC1 cDNA clone (Cat# [RC208711]) using MegaTran 2.0 (Cat# [TT210002]).