

Product datasheet for PH303325

RAC3 (NM_005052) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RAC3 MS Standard C13 and N15-labeled recombinant protein (NP_005043)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203325
Predicted MW:	21.4 kDa
Protein Sequence:	>RC203325 protein sequence Red=Cloning site Green=Tags(s) MQAIKCVVVGDGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGLWDTAGQEDYDRLRPL SYPQTDVFLICFSLVSPASFENVRKAWPEVRHHCPTPILLVGTKLDLRDDKDTIERLRDKKLAPITYP QGLAMAREIGSVKYLECSALTQRGLKTVFDEAIRAVLCPPPVKKPGKKCTVF 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_005043
RefSeq Size:	1077
RefSeq ORF:	576
Locus ID:	5881
UniProt ID:	P60763
Cytogenetics:	17q25.3



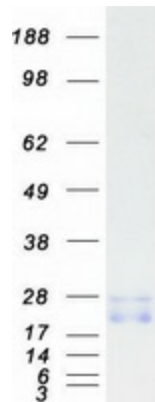
[View online »](#)

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

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

Product images:



Coomassie blue staining of purified RAC3 protein (Cat# [TP303325]). The protein was produced from HEK293T cells transfected with RAC3 cDNA clone (Cat# [RC203325]) using MegaTran 2.0 (Cat# [TT210002]).