

## Product datasheet for **TP303325**

### **RAC3 (NM\_005052) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3) (RAC3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203325 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MQAIKCVVGDGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGLWDTAGQEDYDRLRPL  
SYPQTDVFLICFSLVSPASFENVRRAKWYPEVRHHCPHTPILLVGTKLDRDDKDTIERLRDKKLAPITYP  
QGLAMAREIGSVKYLECSALTQRGLKTVFDEAIRAVLCPPPVKKPGKKCTVF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	21.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005043</a>
Locus ID:	5881
UniProt ID:	<a href="#">P60763</a>



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RefSeq Size: 1077

Cytogenetics: 17q25.3

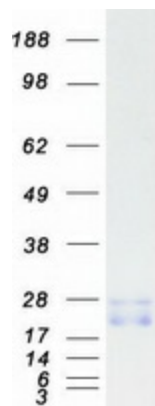
RefSeq ORF: 576

**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]).