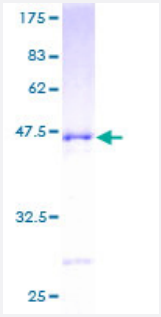
Full-Length

RAC3 (Human) Recombinant Protein (P01)

Catalog # H00005881-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RAC3 full-length ORF (AAH09605, 1 a.a. - 192 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MQAIKCVVVGDGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGLWDTAGQEDYD RLRPLSYPQTDVFLICFSLVSPASFENVRAKWYPEVRHHCPHTPILLVGTKLDLRDDKDTIERLRD KKLAPITYPQGLAMAREIGSVKYLECSALTQRGLKTVFDEAIRAVLCPPPVKKPGKKCTVF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	46.86
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RAC3

Entrez GeneID	5881
GeneBank Accession#	BC009605
Protein Accession#	AAH09605
Gene Name	RAC3
Gene Alias	-
Gene Description	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)
Omim ID	602050
Gene Ontology	Hyperlink
Gene 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. [provided by RefSeq
Other Designations	rho family, small GTP binding protein Rac3

Pathway

- 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
- Wnt signaling pathway