

**RAC3, 1-189aa, Human, E.coli**

**Cat.NO.: TP03657**

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3th Edition

**Synonyms:** ras-related C3 botulinum toxin substrate 3, p21-Rac3

**Description:** RAC3 is a member of the Rac subfamily of the Rho small G proteins. This protein is a small (~21 kDa) monomeric GTP-binding protein, and is an important component of intracellular signalling pathway, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. Recombinant human RAC3 protein was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 200mM NaCl, 0.1mM PMSF, 1mM EDTA

**Molecular Weight:** 21kDa (189aa), confirmed by MALDI-TOF

**Sequences:**

MQAIKCVVVG DGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGLWDTAGQEDYDRLRPLSYPQTD  
VFLICFSLVSPASFENVRAKWYPEVRHHCPHTPILLVGTKLDLRDDKDTIERLRDKKLAPITYPQGLAMAREIGSVKY  
LECSALTQRGLKTVFDEAIRAVLCPPPVKKPGKKC

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.