

RAC1 Human, Recombinant, E.coli

Cat.NO.: TP03653

3th Edition

Synonyms:Ras-related C3 botulinum toxin substrate 1 isoform Rac1, MIG5, p21-Rac1, TC-25

Description:Rac1, belonging to the Rho small GTPase family, regulates the actin cytoskeleton but also other cellular processes. RAC1 have been shown to be involved in the regulation of cell-cell adhesion. RecombinantRAC1 was expressed inE.coliand purified byusingconventional chromatographytechniques.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT 2 mM EDTA

Molecular Weight:21.4 kDa (192 aa), confirmed by MALDI-TOF

Sequences:

MQAIKCVVVG DGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGLWDTAGQEDYDRLRPLSYPQTD
VFLICFSLVSPASFENVRAKWYPEVRHHCPNTPILVGTKLDLRDDKDTIEKLKEKKLTPITYPQGLAMAKEIGAVKYL
ECSALTQRGLKTVFDEAIRAVLCPPPVKKRKRKCLLL

Purity:> 95% by HPLC

Concentration:1 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.