

RAC1, 1-192aa, Human, His tag, E.coli

Cat.NO.: TP03654

3th Edition

Synonyms:Ras-related C3 botulinum toxin substrate 1 isoform, 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. Recombinant human RAC1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH7.5) containing 1 mM DTT,1 mM EDTA, 10% glycerol

Molecular Weight:23.6 kDa (212aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMQAIKCVVVG DGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGL
WDTAGQEDYDRLRPLSYPQTDVFLICFSLVSPASFENVR AKWYPEVRHHCPNTP IILVGT KL DLRDDKDTIEKLKEK
KLTPIYPQGLAMAKEIGAVKYLECSALTQRGLKTVFDEAIRAVLCPPPVKKRKRKCLLL

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.