

RND3, 1-241aa, Human, His tag, E.coli

Cat.NO.: TP03750

3th Edition

Synonyms:Rho-related GTP-binding protein RhoE, ARHE, memB, Rho8, RhoE

Description:Rho-related GTP-binding protein RhoE, also known as RND3, is a small GTPase of the Ras superfamily that regulate the organization of the actin cytoskeleton in response to extracellular growth factors. RND3 activity leads to a decrease in stress fibers and increased cell migration, at least in part through regulation of the Rho-dependent kinase ROCK1.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 1mM EDTA, 0.1M NaCl

Molecular Weight:29.2kDa (261aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMKERRASQKLSSKSIMDPNQNVKCKIVVVGDSQCGKTALLHVFAKDCFPENYVP
TVFENYASFEIDTQRIELSLWDTSGSPYYDNVRPLSYPDSDAVLICFDISRPETLDSVLKKWKGEIQEFCPNTKMLL
VGCKSDLRTDVSTLVELSNHRQTPVSYDQGANMAKQIGAATYIECSALQSENSVRDIFHVATLACVNKTNKNVKNR
KSQRATKRISHMPSRPELSAVATDLRKDKAKSC

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.