

RND1, 1-200aa, Human,His tag, E.coli

Cat.NO.: TP03749

3th Edition

Synonyms:Rho-related GTP-binding protein Rho6, ARHS, FLJ42294, RHO6, RHO

Description:RND1, also known as Rho 6, is Rho-related GTPases form a distinct branch of the Rho family, since they differ from other Rho proteins in size, charge, and biochemical properties. It appears to be constitutively in the activated GTP-bound form and acts as negative regulators of actin assembly and of cell adhesion. It contributes to regulating the organization of the actin cytoskeleton in response to extracellular growth factors.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 0.1M NaCl,1mM DTT

Molecular Weight:24.5 kDa (220aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHHSSGLVPRGSHMKERRAPQPVARCKLVLVGDVQCGKTAMLQVLAKDCYPETYVPTVFENYTA
CL ETEEQRVELSLWDTSGSPYYDNVRPLCYSDSDAVLLCFDISRPETVDSALKKWRTEILDYCPSTRVLLIGCKTDLRT
DLSTLMELSHQKQAPISYEQGCAIAKQLGAEIYLEGSAFTSEKSIHSIFRTASMLCLNKPSPLPQKSPV

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.