

RHOA, 1-190aa, Human, His tag, E.coli

Cat.NO.: TP03733

3th Edition

Synonyms:Ras homolog gene family, member A, ARH12, ARHA, RHO12, RHOH12

Description:RhoA belongs to the small GTPase superfamily, Rho family, proteins involved in the regulation and timing of cell division. This protein is a small GTPase protein to regulate the actin cytoskeleton in the formation of stress fibers and acts upon two known effector proteins: ROCK1 (Rho-associated, coiled-coil containing protein kinase 1) and DIAPH1 (diaphanous homolog 1 (Drosophila)).

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

Molecular Weight:25.7 kDa(227aa), confirmed by MALDI-TOF, (Molecular size on SDS-PAGE will appear higher)

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMAAIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVP
TVFENYVADIEVDGKQVELALWDTAGQEDYDRLRPLSYPD TDVILMCF SIDSPDSLENIPEKWTPEVKHFPCPNVPIIL
VGNKKDLRND EHTRRELAKMKQEPVKPEEGRDMANRIGAFGYMECSAKTKDGVREVFEMATRAALQARRGKKKS
GC

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.