

RHOQ, 1-202aa, Human, His tag, E.coli

Cat.NO.: TP03738

3th Edition

Synonyms:Rho-related GTP-binding protein RhoQ precursor , ARHQ, RASL7A, TC10, TC10A

Description:RHOQ, also known as rho-related GTP-binding protein RhoQ, is a small signaling G protein (more specifically a GTPase), and is a member of the Rac subfamily of the family Rho family of GTPases. It involved in epithelial cell polarization processes. It may play a role in CFTR trafficking to the plasma membrane. It causes the formation of thin, actin-rich surface projections called filopodia. Recombinant human RhoQ protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT

Molecular Weight:24.7kDa (225aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMAGPGALMLKCVVVGDAVGKTCLLMSYANDAFPEEYVPTVFDHYAVSV
TVGGKQYLLGLYDTAGQEDYDRLRPLSYPMTDVFLICFSVNPASFQNVKEEWVPELKEYAPNVPFLIGTQIDLRD
DPKTLARLNDMKEKPICVEQGQKLAKEIGACCYVECSALTQKGLKTVFDEAIIAILTPKKHTVKKRIGSRCINCC

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.