Recombinant human RhoQ protein

Catalog Number: ATGP2081

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-202aa

UniProt No.
P17081

NCBI Accession No.
NP_036381

Alternative Names
Rho-related GTP-binding protein RhoQ, ras homolog family member Q, RAS-like, family 7 member A, RASL7A, Ras-like protein TC10, ARHQ

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

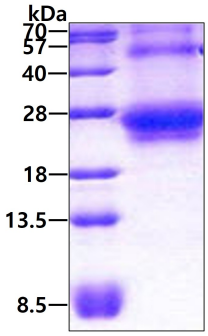
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General References

Ridley AJ. et al. (2006) Trends Cell Biol. 16:522-529
Cheng J. et al. (2005) J Biol Chem. 280:3731-3739.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.