

Recombinant human RhoA protein

Catalog Number: ATGP0849

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-190aa

UniProt No.

P61586

NCBI Accession No.

NP_001655.1

Alternative Names

Ras homolog gene family member A, ARH12, ARHA, RHO12, RHOH12, Transforming protein RhoA, Rho cDNA clone 12

PRODUCT SPECIFICATION

Molecular Weight

25.7 kDa (227aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 90% 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

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)). Recombinant human RhoA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>MAA IRKKLVIVGD GACGKTCLLI VFSKDQFPEV
YVPTVFENYV ADIEVDGKQV ELALWDTAGQ EDYDRLRPLS YPDTDVILMC FSIDSPDSLE NIPEKWTPEV KHFCPNVP
LVGNKKDLRN DEHTRRELAK MKQEPVKPEE GRDMANRIGA FGMECSAKT KDGVREVFEM ATRAALQARR GKKS

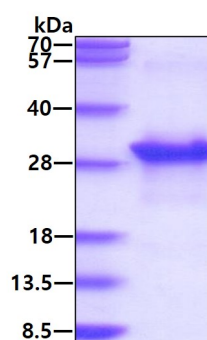
General References

Madaule P. et al. (1985) Cell. 41:31-40

Garrett M.D. et al. (1989) J. Biol. Chem. 264:10-13

DATA

SDS-PAGE



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