

Recombinant human RhoB protein

Catalog Number: ATGP1056

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-193aa

UniProt No.

P62745

NCBI Accession No.

NP_004031.1

Alternative Names

Rho-related GTP-binding protein RhoB, ARH6, ARHB, MST081, MSTP081, RHOH6, Ras homolog family member B, Rho cDNA clone 6, Oncogene RHO H6

PRODUCT SPECIFICATION

Molecular Weight

23.9 kDa (213aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 0.2mM NaCl

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

Rho-related GTP-binding protein RhoB, also known as RhoB, is a member of the Rho GTP-binding protein family. RhoB mediates apoptosis in neoplastically transformed cells after DNA damage. It plays a negative role in tumorigenesis as deletion causes tumor formation. Recombinant human RhoB 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

<MGSSHHHHHH SSGLVPRGSH> MAAIRKKLWV VGDGACGKTC LLIVFSKDEF PEVYVPTVFE NYVADIEVDG
KQVELALWDT AGQEDYDRLR PLSYPDTDVI LMCFSVDSPD SLENIPEKWV PEVKHFPCNV PIILVANKKD LRSDEHVRTE
LARMKQEPVR TDDGRAMAVR IQAYDYLECS AKTKEGVREV FETATRAALQ KRYGSQNGCI NCC

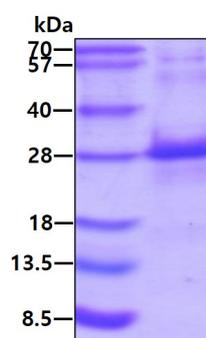
General References

Wennerberg K., et al. (2004) Journal of cell science 117 (Pt 8): 1301-12.

Wherlock M., et al (2004) J. Cell Sci. 117:3221-3231

DATA

SDS-PAGE



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