

Recombinant human RND1 protein

Catalog Number: ATGP1148

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-200aa

UniProt No.

Q92730

NCBI Accession No.

NP_055285.1

Alternative Names

Rho-related GTP-binding protein Rho6, ARHS, FLJ42294, RHO6, RHO

PRODUCT SPECIFICATION

Molecular Weight

24.5 kDa (220aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 95% 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

RND1, also known as Rho 6, is Rho-related GTPases form a distinct branch of the Rho family, since they differ from other Rho proteins in size, charge, and biochemical properties. It appears to be constitutively in the activated GTP-bound form and acts as negative regulators of actin assembly and of cell adhesion. It contributes to regulating the organization of the actin cytoskeleton in response to extracellular growth factors. Recombinant human RND1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MKERRAPQPV VARCKLVLVG DVQCGKTAML QVLAKDCYPE TYVPTVFENY
TACLETEEQR VELSLWDTSG SPYYDNVRPL CYSDSDAVLL CFDISRPETV DSALKKWRTE ILDYCPSTRV LLIGCKTDLR
TDLSTLMELS HQKQAPISYE QGCAIAKQLG AEIYLEGSAF TSEKSIHSIF RTASMLCLNK PSPLPQKSPV

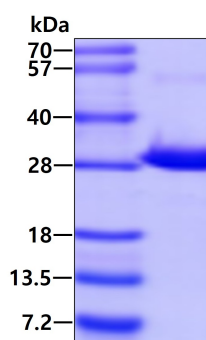
General References

Nobes C.D. et al. (1998) J. Cell Biol. 141: 187-197.

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.