

Recombinant human RhoV protein

Catalog Number: ATGP1693

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-236aa

UniProt No.

Q96L33

NCBI Accession No.

NP_598378

Alternative Names

Ras homolog family member V, Rho-related GTP-binding protein RhoV, CDC42-like GTPase 2, GTP-binding protein-like 2, Rho GTPase-like protein ARHV, Wnt-1 responsive Cdc42 homolog 2, WRCH-2, ARHV

PRODUCT SPECIFICATION

Molecular Weight

28.6 kDa (259aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 20% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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 RhoV, also known as RHOV, is a member of the Rho family and small GTPase superfamily. RHOV is a 236 amino acid protein that controls the actin cytoskeleton through activation of the JNK pathway. RHOV functions as a lipid anchor at the cytoplasmic side of the cell membrane and is expressed in placenta, pancreas and fetal brain. Recombinant human RHOV protein, fused to His-tag at N-terminus, was expressed in E. coli.

Recombinant human RhoV protein

Catalog Number: ATGP1693

Amino acid Sequence

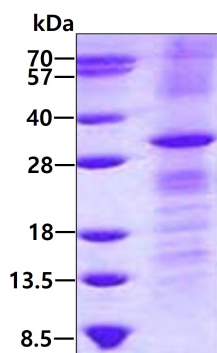
<MGSSHHHHHH SSGLVPRGSH MGS>MPPRELS EAEPPLRAP TPPRRRSAP PELGIKCVLV GDGAVGKSSL
IVSYTCNGYP ARYRPTALDT FSVQVLVDGA PVRIELWDTA GQEDFDRLRS LCYPDTDVFL ACFSVVQPSS FQNITEKWLP
EIRTHNPQAP VLLVGTQADL RDDVNVLIQL DQGGREGPVP QPQAQGLAEK IRACCYLECS ALTQKNLKEV FDSAILSIE
HKARLEKKLN AKGVRTLSRC RWKKFFCFV

General References

Wherlock M., et al. (2002) J Cell Sci. 115:239-240.
Boureux A., et al. (2007) Mol Biol Evol. 24:203-216.

DATA

SDS-PAGE



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