

# Recombinant human RhoV protein

Catalog Number: ATGP1693

## PRODUCT INFORMATION

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**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

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**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**

&gt; 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

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**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.

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## Amino acid Sequence

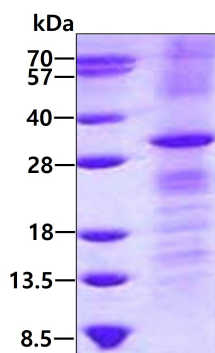
<MGSSHHHHHH SSGLVPRGSH MGS>MPPRELS EAEPPLRAP TPPRRRSAP PELGIKCVLV GDGAVGKSSL  
IVSYTCNGYP ARYRPTALDT FSVQVLVDGA PVRIELWDTA GQEDFDRLRS LCYPD TDVFL ACFSVVPSS FQNITEKWLP  
EIRTHNPQAP VLLVGTQADL RDDVNLIQL DQGGREGPVP QPQAQGLAEK IRACCYLECS ALTQKNLKEV FDSAILS AIE  
HKARLEKLN AKGVRTLSRC RWKKFFCFV

## 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.