

## RHOV Human

**Description:** RHOV Human Recombinant produced in E. coli is a single polypeptide chain containing 259 amino acids (1-236) and having a molecular mass of 28.6 kDa. RHOV is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-1206

For research use only.

**Synonyms:** Ras homolog family member V, Rho GTPase-like protein ARHV, Wnt-1 responsive Cdc42 homolog 2, WRCH1-related GTPase, GTP-binding protein-like 2, WRCH-2, ARHV, CDC42-like GTPase 2, CHP.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMPPRELS EAEPPLRAP  
TPPPRRRSAP PELGIKCVLV GDGAVGKSSL IVSYTCNGYP ARYRPTALDT FSVQVLVDGA  
PVRIELWDTA GQEDFDRLRS LCYPDTDVFL ACFSVVQPSS FQNITEKWLP EIRTHNPQAP  
VLLVGTQADL RDDVNVLIQL DQGGREGPVP QPQAQGLAEK IRACCYLECS ALTQKNLKEV  
FDSAILS AIE HK

**Purity:** Greater than 85% as determined by SDS-PAGE.

**Formulation:**

The RHOV solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 2M Urea, 1mM DTT and 20% glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

RHOV belongs to the Rho family and to the small GTPase superfamily. RHOV is a 236 aa protein which regulates the actin cytoskeleton by activating the JNK pathway. RHOV is expressed in placenta, pancreas and fetal brain and operates as a lipid anchor at the cytoplasmic side of the cell membrane.

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