
Product Data Sheet

Product Name: RHOV Human
 Cat. No.: GP24387
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMPPRELS EAEPPLRAP TPPRRRSAP PELGIKCVLV GDGAVGKSSL IVSYTCNGYP ARYRPTALDT FSVQVLVDGA PVRIELWDTA GQEDFDRLRS LCYPD TDVFL ACFSVVQPSS FQNITEKWLP EIRTHNPQAP VLLVGTQADL RDDVNVLIQL DQGGREGPVP QPQAQGLAEK IRACCYLECS ALTQKNLKEV FDSAILS AIE HKARLEK KLN AKGVRTLSRC RWKKFFCFV		
Formulation	The RHOV solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 2M Urea, 1mM DTT and 20% glycerol.		

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.

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.

Background

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

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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