

## RHOD Human

**Description:** RHOD produced in E.Coli is a single, non-glycosylated polypeptide chain containing 211 amino acids (18-207 a.a.) and having a molecular mass of 23.8kDa. RHOD is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-197

**Synonyms:** Rho-related GTP-binding protein RhoD, Rho-related protein HP1, RhoHP1, RHOD, ARHD, Rho, RHOM.

For research use only.

**Source:** Escherichia Coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MVKVVLVGDG GCGKTSLLMV  
FADGAFPEY TPTVFERVMV NLQVKGKPVH LHIWDTAGQD DYDRLRPLFY PDASVLLLCF  
DVTSPNSFDN IFNRWYPEVN HFCKKVIIV VGCKTDLRDK KSLVNKLRRN GLEPVTYHRG  
QEMARSVGAV AYLECSARLHDNVHAVFQEA AEVALSSRGR NFWRRITQGF C.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

The RHOD solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 50% glycerol, 200mM NaCl, 2mM EDTA and 0.1mM PMSF.

### 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:

Rho-related GTP-binding protein (RhoD) is a member of the small GTPase superfamily. The small GTPase Rho D promotes the rearrangement of the actin cytoskeleton and cell surface and also regulates endosome motility and distribution.

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