

# Recombinant Human Ras Homolog Gene Family, Member B, His-tagged

**Cat. No.** RHOB-3529H    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human RhoB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-193aa).                                                                                                          |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                    |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                   |
| <b>Description</b>              | Rho-related GTP-binding protein RhoB, also known as RhoB, is a member of the Rho GTP-binding protein family. RhoB mediates apoptosis in neoplastically transformed cells after DNA damage. It plays a negative role in tumorigenesis as deletion causes tumor formation. |
| <b>Form</b>                     | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 0.2mM NaCl                                                                                                                                                                                    |
| <b>Molecular Weight</b>         | 23.9kDa (213aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)                                                                                                                                                                                |
| <b>Purity</b>                   | > 90% by SDS - PAGE                                                                                                                                                                                                                                                      |
| <b>Concentration</b>            | 0.25mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                 |
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSGLVPRGSH MAAIRKKLVV VGDGACGKTC LLIVFSKDEF<br>PEVYVPTVFE NYVADIEVDG KQVELALWDT AGQEDYDRLR PLSYPDTDVI                                                                                                                                                         |

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LMCFSVDSPD SLENIPEKWV PEVKHFPCNV PIILVANKKD LRSDEHVRTE  
LARMKQEPVR TDDGRAMAVR IQAYDYLECS AKTKEGVREV FETATRAALQ  
KRYGSQNGCI NCC

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**GENE INFORMATION**
**Gene Name**

RHOB ras homolog gene family, member B [ Homo sapiens ]

**Synonyms**

RHOB; ARH6; ARHB; RHOH6; MST081; MSTP081; rho-related GTP-binding protein  
RhoB; h6; oncogene RHO H6; rho cDNA clone 6; Aplysia RAS-related homolog 6

**Gene ID**

388

**mRNA Refseq**

NM\_004040

**Protein Refseq**

NP\_004031

**MIM**

165370

**UniProt ID**

P62745

**Chromosome  
Location**

2p24

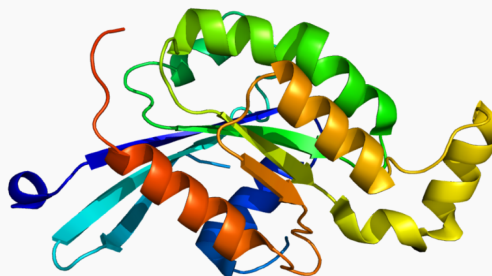
**Function**

GDP binding; GTP binding; GTPase activity; nucleotide binding; protein binding

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