

## Recombinant Human RHOB protein, His-tagged

**Cat. No.** RHOB-2121H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RHOB protein(1-196 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E. coli                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-196 aa                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | MAAIRKKLVVVG DGACGKTCLLIVFSKDEFPEVYVPTVFENYVADIEVDGKQVELAL<br>WDTAGQEDYDRLRPLSYPD TDVILMCFSVDS PDSLENIPEKWWPEVKHF C PNVPIIL<br>VANKKDLRSDEHVRTELARMKQEPVRTDDGRAMAVRIQAYDYLECSAKTKEGVRE<br>VFETATRAALQKRYGSQNGCINCKVL                                                                                                                                                         |
| <b>Purity</b>           | 85%, by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                        |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** [RHOB ras homolog family member B \[ Homo sapiens \]](#)

**Official Symbol** [RHOB](#)

**Synonyms** RHOB; ras homolog family member B; ARH6, ARHB, ras homolog gene family, member B; rho-related GTP-binding protein RhoB; MST081; oncogene RHO H6; RhoB; RHOH6; h6; rho cDNA clone 6; Aplysia RAS-related homolog 6; ras homolog gene family, member B; ARH6; ARHB; MSTP081;

**mRNA Refseq** [NM\\_004040](#)

**Protein Refseq** [NP\\_004031](#)

**MIM** [165370](#)

**UniProt ID** [P62745](#)

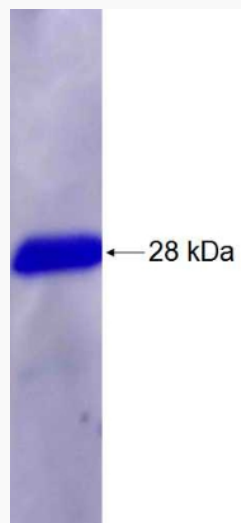
**Gene ID** [388](#)

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SDS-PAGE

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