

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

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

SPECIFICATION

Product Overview	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).
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 0.2mM NaCl
Molecular Weight	23.9kDa (213aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	> 90% by SDS - PAGE
Concentration	0.25mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MAAIRKKLVV VGDGACGKTC LLIVFSKDEF PEVYVPTVFE NYVADIEVDG KQVELALWDT AGQEDYDRLR PLSYPD TDVI

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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

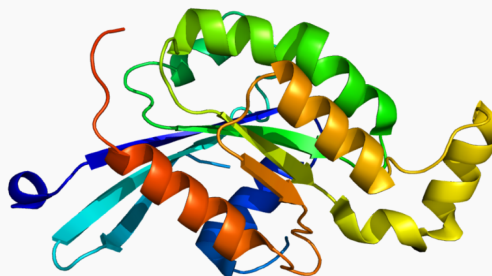
Function

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

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