

Product datasheet for **AR09996PU-L**

RhoB (1-193, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RhoB (1-193, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MAAIRKKLVV VGDGACGKTC LLIVFSKDEF PEVYVPTVFE NYVADIEVDG KQVELALWDT AGQEDYDRLR PLSYPDTDVI LMCFSVDSPD SLENIPEKWV PEVKHFCPNV PIILVANKKD LRSDEHVRTE LARMKQEPVR TDDGRAMAVR IQAYDYLECS AKTKEGVREV FETATRAALQ KRYGSQNGCI NCC
Tag:	His-tag
Predicted MW:	23.9 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 20% glycerol, 0.2 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RhoB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_004031</u>
Locus ID:	388
UniProt ID:	<u>P62745</u>
Cytogenetics:	2p24.1
Synonyms:	ARH6; ARHB; MST081; MSTP081; RHOH6



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Summary:

Mediates apoptosis in neoplastically transformed cells after DNA damage. Not essential for development but affects cell adhesion and growth factor signaling in transformed cells. Plays a negative role in tumorigenesis as deletion causes tumor formation. Involved in intracellular protein trafficking of a number of proteins. Targets PKN1 to endosomes and is involved in trafficking of the EGF receptor from late endosomes to lysosomes. Also required for stability and nuclear trafficking of AKT1/AKT which promotes endothelial cell survival during vascular development. Serves as a microtubule-dependent signal that is required for the myosin contractile ring formation during cell cycle cytokinesis. Required for genotoxic stress-induced cell death in breast cancer cells.[UniProtKB/Swiss-Prot Function]

Protein Families:

Druggable Genome

Product images: