

Product datasheet for **SC214402**

RHOB (NM_004040) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RHOB (NM_004040) Human 3' UTR Clone
Symbol:	RHOB
Synonyms:	ARH6; ARHB; MST081; MSTP081; RHOH6
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004040
Insert Size:	1409 bp



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Insert Sequence: >SC214402 3' UTR clone of NM_004040
 The sequence shown below is from the reference sequence of NM_004040. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**ACGATCGC**

GCATCAACTGCTGCAAGGTGCTA**TGA**AGGGCCGCGCCCGTCGCGCCTGCCCTGCCGGCACGGCTCCCCCT
 CCTGGACCAGTCCCCCGAGCCCGGAGAAGGGGAGACCCGTGTCCACAAGGACCCACCGGCCTGCCT
 GGCATCTGTCTGCTGACGCCTCTGGCTTGCAGGACTTGGCGTGGGCACCGGGCGCCCCATCCCAGT
 GTCTGTGTGCGTCCAGCTGTGTTGCACAGGCCTGGGCTCCCCACTGAGTGCCAAGGGTCCCCTGAGCATG
 CTTTTCTGAAGAGCCGGGCTCAGAGTGTGTGGCTGTGTGTCTGTTGACTCCCCTCGCCCCATTTTAC
 CCCACCCCGCCTCTGATCCCCGGGGGCGAGATTGGCGGGGAGTGTGGCCGCGCCCCATCAGATGTTCT
 CCCTTACCAGCGGGAGCTTGATATCCCTTGTCTGTAACATAGACCCCGGACTGCGGGAGGGGAGGGC
 TGCTGGGAGGATGGGGGATGTTATATAAATATAGATATAATTTTATTTTCGGAGCTAAGATGGTGTTA
 TTTAAGGGTGGTATGGGTGAGCGCTCTGGCCCAGGCTGGGCCAGACTCCCGCCAAGCATGAACAGGAC
 TTGACCATCTTTCCAACCCTGGGAAGACATTTGCAACTGACTTGGGGAGGACACAGCTTCAGCACAGC
 CTCTCCTGCGGGCCAGCCGCTGCGAACCTCCACCAGTACCGGAGGGAGGAGGGAGGATGCGCTGTGG
 GGTTGTTTTTGCATAAGCGAACTTTGTGCCTGTCCTAGAAGTAAAAATTGTTCACTCCAAGAACTGAT
 GTTATTTGATTTATTTAAAGGCTAAAAATTTGTTTTTTTATTCTTTGCACAATTGTTTCATTGTTTGACAC
 TTAATGCACTCGTCATTTGCATACGACAGTAGCATTCTGACCACACTTGTACGCTGTAACCTCATCTACT
 TCTGATGTTTTTAAAAAATGACTTTTAAACAAGGAGAGGGAAAAGAAACCCACTAAATTTTGCTTTGTTTC
 CTTGAAGAATGTGGCAACTGTTTTGTGATTTTATTTGTGCAGGTCATGCACACAGTTTTGATAAAGGG
 CAGTAACAAGTATTGGGGCTATTTTTTTTTTTTCCACAAGGCATTCTCTAAAGCTATGTGAAATTTTCT
 CTGCACCTCTGTACAGAGAATACACCTGCCCTGTATATCCTTTTTTCCCTCCCTCCCTCCCAGTGGT
 ACTTCTACTAAATGTTGTCTTGTTTTTTATTTTTTAAATAAACTGACAAATGACAAATGGTGAGCTTA
 TGATGTTTACATAAAAGTTCTATAAGCTGTGTATACAGTTTTTTATGTAAATATTTAAAGACTATGATG
 ATGACATTT

ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_004040.2](#)

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]

Locus ID:

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