

Product datasheet for **SC114746**

RHOBTB3 (NM_014899) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHOBTB3 (NM_014899) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHOBTB3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114746 sequence for NM_014899 edited (data generated by NextGen Sequencing)

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ATGTCCATCCACATCGTGGCGCTGGGGAACGAGGGGGACACATTCCACCAGGACAACCGG
CCGTCGGGGCTTATCCGCACTTACCTGGGGAGAAGCCCTCTGGTCTCCGGGGACGAGAGC
AGCTTGTGTGCTGAACGCGGCCAGCACGGTCGCGCGTCCGGTGTTACCGAGTATCAGGCC
AGTGCCTTTGGGAATGTCAAGCTGGTGGTCCACGACTGTCCCGTCTGGGACATATTTGAC
AGTGATTGGTACACTTCTCGAAATCTAATTGGGGGCGCTGACATCATTGTGATCAAATAC
AACGTTAATGACAAGTTTTTCATTCCATGAAGTAAAGGATAATTATATTCCAGTGATAAAA
AGAGCATTAAATTCAGTTCAGTAATTATTGCTGCTGTTGGTACCAGACAAAATGAAGAG
TTACCTTGTACATGCCCACTATGTACCTCAGACAGAGGGAGCTGTGTTAGTACAACCTGAA
GGGATCCAACCTTGCAAAAGAACTAGGAGCGACCTATCTTGAACCTCCACAGCCTTGATGAC
TTCTACATAGGAAAGTATTTTGGAGGAGTGTGGAGTATTTTATGATTCAAGCCTTAAAT
CAGAAGACAAGTGAAAAATGAAGAAAAGAAAAATGAGCAACTCCTTTCATGGAATTAGA
CCACCTCAACTTGAACAACCCAGAAAAATGCCTGTCTTAAAGGCTGAAGCGTCACATTAT
AACTCTGACTTAAATAACTTGCTGTTCTGCTGCCAGTGTGTGGACGTGGTATTTTACAAC
CCCAATTTAAAGAAAGTTGTAGAGGCCCAAGATCGTTCTCTGCGCTGTAAGCCATGTT
TTCATGCTGCTTTTCAATGTGAAGAGTCCCACTGACATTACAGGATTCCAGTATCATCCGA
ACTACCCAGGATCTTTTTGCTATAAACAGAGATACTGCATTTCCAGGTGCTAGCCATGAA
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ATCAGGAAGAAGTTGAAAGATTCTGGGGATGTTTCAAATGTAATCGAGAAAGTTAAATGC
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CGTTGTGAAGTGATGGCAGCCATGTTTAAATGGTAATTACATGGAAGCAAAGAGTGCCTG
ATTCCCGTTTATGGTGTTTCAAAGAGACTTTCTTGTCATTTTTAGAATACCTGTACACA
GACTCCTGCTGCCAGCTGGCATATTCCAGGCCATGTGTCTCCTGATCTGTGCCGAGATG
TACCAAGTGTCAGACTGCAGCACATCTGTGAGCTGTTTCATCATTACCCAGCTGCAGAGC
ATGCCAAGCAGGGAAGTGGCATCCATGAACCTTGATATAGTTGACCTGCTTAAAAAGGCC
AAGTTTCAACCACTCTGATTGCCTTTCAACCTGGCTACTTCATTTTCATTGCTACTAACTAC
CTCATCTTCAGTCAAAAGCCTGAATTTCAAGGATCTTTTCAGTGGAAGAACGCAGTTTTGTT
GAAAAGCACAGATGGCCGTCGAATATGTACTTGAAGCAGCTTGCGGAATACAGGAAGTAT
ATTCACCTCCCGAAATGTCGTTGCTTAGTAATGTAA

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Clone variation with respect to NM_014899.3

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014899 unedited ACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGACTGCGGTACGCTGCGTCCA CTTGGGGCTGTGCGGGCGGTCCCGCGCCCGGCGATGTTCCCGGGCACTCCCTGAGTAGCGG CAGCTTATCCCCCGCCGCTAGCCCGCCCTGGTCCCGGCTCGCTCGCTGGCTGGCGCGG CCCCGGCCCCGCTCTGCGTCGGCCCCGCGCGGTGGAGGCGCGCAGGGGGACGCGGCCG GGGATGAGCGGATTGCGGGTGAACCTCGCCGCCCGGGGGCCCCGGAAGCCGTGAGCCGCT GCTTTTCTCCGAGTCGCCGCCCTGCCCTTGGATTGAGATCATGTCCATCCACATCGTGG CGCTGGGGAACGAGGGGGACACATTCCACCAGGACAACCGGCCGTCGGGGCTTATCCGCA CTTACCTGGGGAGAAGCCCTCTGGTCTCCGGGACGAGAGCAGCTTGTGCTGAACGCGG CCAGCACGGTCGCGCGTCCGGTGTTCACCGAGTATCAGGCCAGTGCCTTTGAGAAATGTCA AGCTGGTGGTCCACGACTGTCCCGTCTGAGACATATTTGACAGTATTGGTACACTTCTC GAAATCTAATTGGNGGCGCTGACATCATTGTGATCAAATACAACGTTAATGACAAGTTTT CATTCCATGAAAGAAAGGATAATTATATCCAGCGATAAAAGAGCATTAAATTCAGTTC CAGTATTATTGCTGCTGTTGGTACCAGACAAATGAAGAGTTACCTTGACATGCCCCCTAT GTACCTCAAACGAGGGAACCGGGCTACTACCACTGAAAGGGACCCACCTGNAAGAACAA GGACCACCTATCTTGACCCACAGCCTGGTGAACCTCACATAGAAGGTTTTTCGGAGCACAC TACCAGTCAGCGAAGTCACCGTACCGTCTCCCTCACACTCACACGCTCCCTGATATCCC CCCTCACATTCATCCCAACATTAAC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014899 unedited ACGCGGCACGCTATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTAAATAAGTATTTCTTA ACTGAGAGGGGTCTAAATATCACTAAAGCACAGGACATCTTTAAGGGAAAACAGCTGAAA AACAGTTTTGAATTCTACAGTGAAGCCTTATTTTACCCTATGGCATATTTTGATACCT TTTAAGACCACAGCGGCAGCTTTTTTCCAAAGCAACTAACAAACATATTAAGCTATATG GGAATCTTTCTAACACCCACATTGGTTTCGCGCACAAGAATTTTACTGGAACCTGGAGGC ATCCCATTCTTCATAATAACAAAAAGAAATGCGCCGCCATAAAGCTGCAGGCTACATTA CTAAGCACCGACATTTCCGGGAGTGAATATACTTTCTGCTTTCCGCAAGCTGCTTTAAGT TCATATCTCACGGCCATCTGTGCTTTTCAACAAAACGCGATCTTGCACTGAAAGATTCT GACATTCAGGCTTTTGACCTGAACATGAGGGACCCAGCCCCACTGAAATGAAGCTCCCAG GCTGAAAGGCAATCACAGTGGCGAAACTCGGCCTTTCCAAGCAGGTCAACTATATCAAGG TCCATGGATGCAATCTCCCTGCTTGGCATGCTTCTGCACGCGGGTCATGATGAAACAGTT CACAGATGTGCTCGCACCTGATCACTTGGTACATTCTCGGCCAGATCATGAGACACCTGG CCTGCAATTTCCACCTGGGCAACACGAGTTCTGGTCCGGCCTTCTAAATTGACAGAAAGT CTTTTGCAACACCTAACGGGATTACGACACTTCTGCTCCCTGCGATGACCATGTACTGGG TTCCTCTTTGACACGGACCCCAAGAGGCTCTGGGGCTGCCTTACCCCTGCATTGGAACA ACACTGTGAGCTTGCCTTAGGAAACTCGAGGATGTATATCCCCAGGC
Restriction Sites:	NotI-NotI
ACCN:	NM_014899
Insert Size:	2500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_014899.2, NP_055714.2</u>
RefSeq Size:	4122 bp
RefSeq ORF:	1836 bp
Locus ID:	22836
UniProt ID:	<u>O94955</u>
Cytogenetics:	5q15
Domains:	BTB
Gene Summary:	RHOBTB3 is a member of the evolutionarily conserved RHOBTB subfamily of Rho GTPases. For background information on RHOBTBs, see RHOBTB1 (MIM 607351).[supplied by OMIM, Apr 2004]