

Product datasheet for **SC120742**

RHEBL1 (NM_144593) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHEBL1 (NM_144593) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHEBL1
Synonyms:	RHEBL1c
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120742 sequence for NM_144593 edited (data generated by NextGen Sequencing)

```
ATGCCGCTAGTCCGCTACAGGAAGGTGGTCATCCTCGGATACCGTGTGTAGGGAAGACA
TCTTTGGCACATCAATTTGTGGAAGGCGAGTTCTCGGAAGGCTACGATCCTACAGTGGAG
AACTACTTACAGCAAGATAGTGACTCTTGCAAAGATGAGTTTCACCTACATCTGGTGGAC
ACAGCAGGGCAGGATGAGTACAGCATTCTGCCCTATTCATTCATCATTGGGGTCCATGGT
TATGTGCTTGTGATTCTGTGCACCTCTCTGCATAGCTTCCAAGTCATTGAGAGTCTGTAC
CAAAAGCTACATGAAGGCCATGGGAAAACCCGGGTGCCAGTGGTTCTAGTGGGAACAAG
GCAGATCTCTCCAGAGAGAGAGGTACAGGCAGTTGAAGGAAAGAAGCTGGCAGAGTCC
TGGGGTGCACATTTATGGAGTCATCTGCTCGAGAGAATCAGCTGACTCAAGGCATCTTC
ACCAAAGTCATCCAGGAGATTGCCCGTGTGGAGAATTCCTATGGGCAAGAGCGTCTGCTGC
CATCTCATGTGA
```

Clone variation with respect to NM_144593.1
172 t=>c



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_144593 unedited</p> <pre>GGGGTCCACATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCGGGCGC GGCGCTTGTGTTTGGTTTCCTTCTAACTTGCCCACGGCAGCTTCGGGGTGAGCGACTTTC TGCACCAGCTGCCGCGCCTGCTCACACCCTGACCTCGTTTTCGGGCTCTCTGAGCCCGCA GTTCCGCAAGCCCCTGGGGCGGGCTCCTGCCATGCCGCTAGTCCGCTACAGGAAGGTGGT CATCCTCGGATACCGCTGTGTAGGAAGACATCTTTGGCACATCAATTTGTGAAGGCGA GTTCTCGGAAGGCTACGATCCTACAGTGGAGAATACTTACAGCAAGATAGTGACTTTGG CAAAGATGAGTTTCACCTACATCTGGTGGACACAGCAGGCGAGGATGAGTACAGCATTCT GCCCTATTCATTCATCATTGGGGTCCATGGTTATGTGCTTGTGATTCTGTCACCTCTCT GCATAGCTTCCAAGTCATTGAGAGTCTGTACAAAAGCTACATGAAGGCCATGGGAAAAC CCGGGTGCCAGTGGTTCTAGTGGGAACAAGGCAGATCTCTCCAGAGAGAGAGGTACA GGCAGTTGAAGGAAAGAAGCTGGCAGAGTCTGNGGTGCGACATTTATGGAGTCATCTGC TCGAGAGAATCAGCTGACTCAAGGCATCTTACCAAAGTCATCCAGGAGATTGCCCGTGT GGAGAATTCCTATGGCAAGAGCGTCGCTGCCATCTCATGTGAGCCCTTNGGTGTGGNGT AACTGCCTTGCTTCTGCCCCCGCACTTGCCATGNTCCAGTGGGGGGCAGATCCTCANG ACTTCACGGGTATGGGTGCCAGCTGTGTTCTGGCCCCTGGCACACAGTGTGCCATCCCT CATGTTGCACACTTTCCCAAGNCTNCAAGTGGCCTGGATGTCAT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_144593 unedited</p> <pre>TACATCTATGNNACCGCGGCCGCAATCTANNGATCGATTTTTTTTTTTTTTTTTTCAACA ACAAAGAATTTCTCAATTTATTTGCATATACATTGTCACCCCAGGGAGCCAGCTCTAT TTCAGAAGTCCCCGGCTCCCCTTACCCAGCCAACACCCAAAACCCACCCAAGAGGATGGG TCCTGGATAAATAATGCCAGGACTCATATCCTGACCCCATAGGTTATAACAGAATTCAT CAAACAAAACAGAGGGCTAGAGGCCAGTCCATGAGAGGTCCCTTGCCCCTTTGTAAC ATTGACATCCAGGCCACTGGAGCCTGGGAAAAGTGTGCAAACATGAGGATGCCACACTGT GTGTCCAGGGGCCAGGAACACAGCTGGCAACCATACCCGTGAAGTCTGAGGATCTGCC CCCCTGGAACATGGCAAGTGCCGGGGGAGAAGCAAGGCAGTTACCCACACCCAAGGG CTCACATGAGATGGCAGCGACGCTCTTGCCCATAGGAATCTCCACACGGGCAATCTCCT GGATGACTTTGGTGAAGATGCCTTGAGTCAGCTGATTCTCTCGAGCAGATGACTCCATAA ATGTCGCACCCCAGGACTCTGCCAGCTTCTTTCCCTTCACTGCCTGTACCTCTCTCTCTG GAGAGAGATCTGCCTTGTCCCCACTAGAACCCTGGCACCCNGTTTTTCCCATGGCCTT CATGTAGCTTTTGGTACAGACTCTCAATGACTTGAAGCTATGCAGAGAGGTGACAGAAT ACACAGCACATAACCATGGGACCCCATGATGAATGAATAGGGCAGAATGCTGTAATCATC CTGCCCTGGGTGAGTACAGATGTAGGTGAAACTCATCTTGCCAGAGTCACTATCTG CTGGAAGTATTCTACTGTAGGATCGTAACCTTCCAAA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_144593
Insert Size:	1250 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: [NM_144593.1](#), [NP_653194.1](#)

RefSeq Size: 1192 bp

RefSeq ORF: 552 bp

Locus ID: 121268

UniProt ID: [Q8TAI7](#)

Cytogenetics: 12q13.12

Domains: ras, RAS, RHO, RAB

Gene Summary: Binds GTP and exhibits intrinsic GTPase activity. May activate NF-kappa-B-mediated gene transcription. Promotes signal transduction through MTOR, activates RPS6KB1, and is a downstream target of the small GTPase-activating proteins TSC1 and TSC2.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1).