

Product datasheet for **SC334232**

RHEBL1 (NM_001303126) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHEBL1 (NM_001303126) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHEBL1
Synonyms:	RHEBL1c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001303126, the custom clone sequence may differ by one or more nucleotides

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ATGTGGATGGATGATTTGGATACAACACTGCACACTGCTCCCCACAGGGAAGACATCTTTGGCACATCAAT
TTGTGGAAGGCGAGTTCTCGGAAGGCTACGATCCTACAGTGGAGAATACTTACAGCAAGATAGTGACTCT
TGGCAAAGATGAGTTTCACCTACATCTGGTGGACACAGCAGGGCAGGATGAGTACAGCATTCTGCCCTAT
TCATTCATCATTGGGGTCCATGGTTATGTGCTTGTGATTCTGTACCTCTCTGCATAGCTTCCAAGTCA
TTGAGAGTCTGTACAAAAGCTACATGAAGGCCATGGGAAAACCCGGTGCCAGTGGTTCTAGTGGGGAA
CAAGGCAGATCTCTCCAGAGAGAGAGGTACAGGCAGTTGAAGGAAAGAAGCTGGCAGAGTCCTGGGGT
GCGACATTTATGGAGTCATCTGCTCGAGAGAATCAGCTGACTCAAGGCATCTTACCAAAGTCATCCAGG
AGATTGCCCGTGTGGAGAATTCCTATGGCAAGAGCGTCGCTGCCATCTCATGTGA
```

Restriction Sites:	SgfI-MluI
ACCN:	NM_001303126
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).



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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_001303126.1](#), [NP_001290055.1](#)

RefSeq Size: 1303 bp

RefSeq ORF: 546 bp

Locus ID: 121268

UniProt ID: [Q8TAI7](#)

Cytogenetics: 12q13.12

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 (2) uses an alternate splice junction in the 5' end of the coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.