

Product datasheet for **RG236338**

RHEBL1 (NM_001303126) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RHEBL1 (NM_001303126) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RHEBL1
Synonyms: RHEBL1c
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236338 representing NM_001303126.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGATGGATGATTTGGATACAACGTGACACTGCTCCCCACAGGGAAGACATCTTTGGCACATCAA
TTTGTGGAAGGCGAGTTCTCGGAAGGCTACGATCCTACAGTGGAGAATACTTACAGCAAGATAGTGACT
CTTGGCAAAGATGAGTTTCACCTACATCTGGTGGACACAGCGGGCAGGATGAGTACAGCATTCTGCC
TATTCATTCATCATTGGGGTCCATGGTTATGTGCTTGTGATTCTGTACCTCTCTGCATAGCTTCCAA
GTCATTGAGAGTCTGTACAAAAGCTACATGAAGGCCATGGGAAAACCCGGGTGCCAGTGGTTCTAGTG
GGGAACAAGGCAGATCTCTCCAGAGAGAGAGGTACAGGCAGTTGAAGGAAAGAAGCTGCCAGAGTCC
TGGGGTGCACATTTATGGAGTCATCTGCTCGAGAGAATCAGCTGACTCAAGGCATCTTACCAAAGTC
ATCCAGGAGATTGCCCGTGTGGAGAATTCCTATGGGCAAGAGCGTCGCTGCCATCTCATG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236338
Blue=ORF Red=Cloning site Green=Tag(s)

```
MWMDLDTTVTLPTGKTS LAHQFVEGEFSEGYDPTVENTYSKIVTLGKDEFHLHLVDTAGQDEYSILP
YSFIIGVHGYLVYSVTSLSHSFQVIESLYQKLHEGHGKTRVPVVLVGNKADLSPEREVQAVEGKLAES
WGATFMESSARENQLTQGIFTKVIQEIARVENSYGQERRCHLM
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

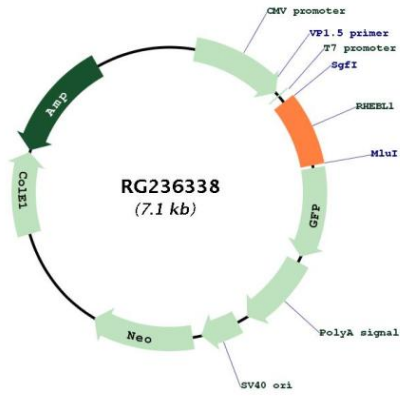
Restriction Sites: Sgfl-MluI



Cloning Scheme:


- ACCN:** NM_001303126
- ORF Size:** 543 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
- OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
- 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).
- RefSeq:** [NM_001303126.2](#)
- RefSeq Size:** 1303 bp
- RefSeq ORF:** 546 bp
- Locus ID:** 121268
- UniProt ID:** [Q8TAI7](#)
- Cytogenetics:** 12q13.12
- MW:** 20.8 kDa
- 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]

Product images:



Circular map for RG236338