

Product datasheet for **RC236338**

RHEBL1 (NM_001303126) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RHEBL1 (NM_001303126) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RHEBL1
Synonyms: RHEBL1c
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236338 representing NM_001303126
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGATGGATGATTTGGATACAACACTGTACACTGCTCCCCACAGGGAAGACATCTTTGGCACATCAAT
TTGTGGAAGGCGAGTTCTCGGAAGGCTACGATCCTACAGTGGAGAATACTTACAGCAAGATAGTGACTCT
TGGCAAAGATGAGTTTCACCTACATCTGGTGGACACAGCAGGGCAGGATGAGTACAGCATTCTGCCCTAT
TCATTCATCATTGGGGTCCATGGTTATGTGCTTGTGATTCTGTACCTCTCTGCATAGCTTCCAAGTCA
TTGAGAGTCTGTACAAAAGCTACATGAAGGCCATGGGAAAACCCGGGTGCCAGTGGTTCTAGTGGGAA
CAAGGCAGATCTCTCCAGAGAGAGAGGTACAGGCAGTTGAAGGAAAGAAGCTGGCAGAGTCTGGGGT
GCGACATTTATGGAGTCACTGCTCGAGAGAATCAGCTGACTCAAGGCATCTTACCAAAGTCATCCAGG
AGATTGCCCGTGTGGAGAATTCCTATGGGAAGAGCGTCGCTGCCATCTCATG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236338 representing NM_001303126
Red=Cloning site Green=Tags(s)

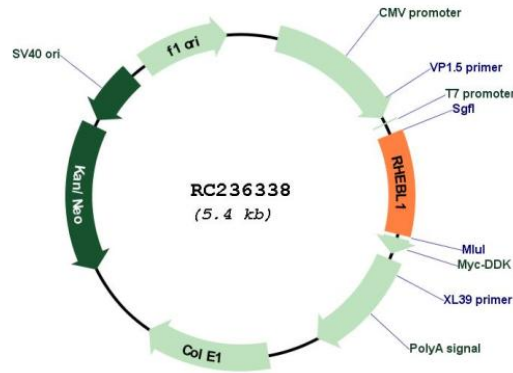
MWDDLDTTPTLLPTGKTSLAHQFVEGEFSEGYDPTVENTYSKIVTLGKDEFHLHLVDTAGQDEYSILPY
SFIIGVHGYVLVYSVTSLSHFQVIESLYQKLHEGHGKTRVPVVLVGNKADLSPEREVQAVEGKKLAESWG
ATFMESSARENQLTQGIPTKVIQEIARVENSYGQERRCHLM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


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).
Reconstitution Method:	<ol style="list-style-type: none">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_001303126.2
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]