

Product datasheet for **MC200944**

Rheb (NM_053075) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rheb (NM_053075) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rheb
Synonyms: Rheb1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC012273 sequence for NM_053075
GAGCGAGCGAGAGGCAGCCGCGCCCGCCGCGTCTGTATGCCGCGTTCTCCCGGCGCAGCCCGCCGCC
GATAGTCTGAGCCGGAGGAGCCGCGCCCGCCGCGTTAATGTGGTTGGGTCGGGGCTGAGCAGGCCACCA
AGATGCCTCAGTCCAAGTCCCGGAAGATCGCCATCCTGGGCTACCGTCTGTGGGAAAGTCTCATTGAC
AATTCAGTTTGTGAAGGCAATTTGTTGATTCTACGATCCAACCATAGAGAACACGTTACCAAGTTG
ATCACGGTAAATGGTCAAGAGTATCATCTTCAGCTTGTAGACACAGCGGGCAGGATGAATATTCCATTT
TTCCTCAGACATACTCCATAGATATTAATGGTTATATTCTTGTGATTCTGTTACATCAATCAAAAGTTT
TGAAGTAATTAAGTTATCCATGGCAAGTTGTTGGATATGGTGGGAAAGTGCAGATACCTATTATGTTG
GTTGGAATAAGAAGGACCTGCATATGAAAGGGTGATCAGCTATGAAGAAGGAAAGGCTTTGGCAGAAT
CTTGGAATGCAGCTTTTTTGAATCTTCTGCTAAAGAAAATCAAAGTCTGTTGATGTTTTTAAAGGAT
AATTTTGAAGCAGAAAAGATTGATGGAGCAGCTTCACAAGGAAAGTCTTCGTGCTCGGTGATGTGACAA
TTCTGCTGCAGAGCCTGCGGACACTGGGGATATATTCCACCTGAGGAAGCAAAGTCCCGTCATCCTTGA
AGATAAACTATGCTTCTGTTTTCTTCTGTTAACCTGAAAGATGTCATTTGGGTCAGGGGTCCTCCCTT
TCAGATTATGTTAACGTCTGACTCTGTCCAAATGAGTTACCTCCATTTTCAAATTTTAAACAATCATAT
TTTCAATTTATATATTGTATTTCTTAATATTATGACCAAGAAATTTATCGGCATTAATTTTTTTCAGTGTA
GTTTGTGTTTAAATAATGTAATCATCAAAATGATACACATGTTACACTACTATTAAGTGGCTTCAAT
ATATCAGTGTTTATTTTCATTGTGTTAAATGTATACTTGTAAATAAAATAGCTGCAAACCTTAAAAAAAAA
AAA

Restriction Sites: RsrII-NotI
ACCN: NM_053075
Insert Size: 555 bp



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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:	<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:	<u>BC012273</u> , <u>AAH12273</u>
RefSeq Size:	1178 bp
RefSeq ORF:	555 bp
Locus ID:	19744
UniProt ID:	<u>Q921J2</u>
Cytogenetics:	5 A3
Gene Summary:	Activates the protein kinase activity of mTORC1, and thereby plays a role in the regulation of apoptosis. Stimulates the phosphorylation of S6K1 and EIF4EBP1 through activation of mTORC1 signaling. Has low intrinsic GTPase activity.[UniProtKB/Swiss-Prot Function]