

Product datasheet for **MR201682**

Rheb (NM_053075) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rheb (NM_053075) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rheb
Synonyms: Rheb1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201682 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCAGTCCAAGTCCCGGAAGATCGCCATCCTGGGCTACCGGTCTGTGGAAAGTCCTCATTGACAA
TTCAGTTTGTGAAGCCAATTTGTTGATTCTACGATCCAACCATAGAGAACACGTTCCACCAAGTTGAT
CACGGTAAATGGTCAAGAGTATCATCTTCAGTTGTAGACACAGCGGGCAGGATGAATATTCATTTTT
CCTCAGACATACTCCATAGATATTAATGGTTATATTCTTGTGATTCTGTTACATCAATCAAAGTTTTG
AAGTAATTAAGTTATCCATGGCAAGTTGTTGGATATGGTGGGAAAGTGCAGATACCTATTATGTTGGT
TGGAAATAAGAAGGACCTGCATATGGAAAGGGTATCAGCTATGAAGAAGGAAAGCTTTGGCAGAATCT
TGGAAATGCAGCTTTTTTGAATCTTCTGCTAAAGAAAATCAAAGTCTGTTGATGTTTTTAAAGGATAA
TTTTGGAAGCAGAAAAGATTGATGGAGCAGCTTACAAGGAAAGTCTTCGTGCTCGGTGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201682 protein sequence
Red=Cloning site Green=Tags(s)
MPQSKSRKIAILGYRSVGKSSLTIQFVEGQFVDSYDPTIENTFTKLITVNGQEYHLQLVDTAGQDEYSIF
PQTYSIDINGYILVYSVTSIKSFEVIKVIHGKLLDMVGKVQIPIMLVGNKKDLHMERVISYEEGKALAES
WNAAFLESSAKENQTAVDVFKRIILEAEKIDGAASQKSSCSVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

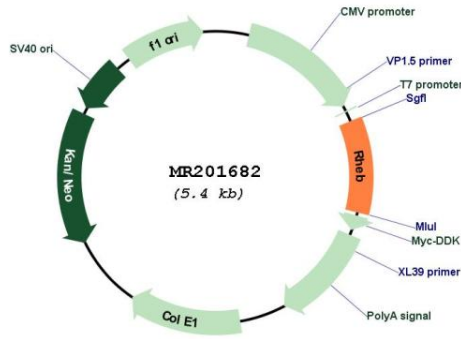
Restriction Sites: Sgfl-MluI



MW: 20.5 kDa

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]

Product images:



Circular map for MR201682