

Product datasheet for **MC200565**

Ralb (NM_022327) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ralb (NM_022327) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ralb
Synonyms:	5730472O18Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC006907 sequence for NM_022327
 CCGACGCGTGGGTGCGCATAGCCAGAGCGGCGGTGGGACGGCTCCCCAGCTCCTCACCTGGGCCACCTG
 TCCGTGTGTACACACCTCCGACCAGCAGGATGGCTGCCAACAAGGGCAAGAGCCAGGGCTCCCTGGTACT
 TCACAAGGTCATCATGGTTGGCAGTGGAGGGTCCGGCAAATCAGCCCTGACGCTTCAGTTCATGTATGAT
 GAGTTTGTAGAAGACTATGAGCCACCAAAGCTGACAGTTACAGAAAGAAGTGGTTCTCGACGGAGAAG
 AGGTCCAGATAGACATCCTGGACACCGCTGGCCAGGAGACTATCGGCCATCCGTGACAACACTACTCCG
 AAGCGGAGAAGGCTTTCTGCTGGTGTCTCCATCACAGAGCAGAGTCTTTCACAGCCACAGCCGAGTTC
 AGGGAACAGATTCTCCGAGTCAAGTCAGAGGAGGACAAGATCCCCTGCTGGTCTGGGCAACAAGTCCG
 ACCTGGAGGAGCGGAGGCAGGTGCCTGTGGACGAGGCCCGAGGCAAGCGGAGGAGTGGGGTGTGCAGTA
 CGTGGAGACATCTGCAAAGACCCGCGCCAAATGTGGACAAGGTATTCTTTGATCTGATGAGAGAAATCCGG
 GCAAAAAAGATGTCAGAAAAAAGGACAAGAACGGCAGGAAAAGCAGCAAGAGCAAGAAAAGTTTCAAAG
 AGCGATGCTGCTGTGAGCGGGCTGCAGACTGACGCAGCAGAGTGGCCACACTGCAGCGCAGCGAG
 CCGGAGGTGGCTCCCAGCTGGCTCCCCATTGCTCTCCACAACGCATTCACTATCACTTCTTGAGATG
 GGACAGATATCCGTGCGTCAGTGGCTGGCAGAAGAAAGACGCCTTTGCTGTGTAATGCCTCTGTAACT
 TTGCCAGGAGCTTTGAGAGTCTGCCCTCTCCACCCTTCTGAACCATGACCACCACAGCTCTAGGGTC
 GTAATGTTGGAGATCAGGAATATTGGTTGTGATGACAAGAAAGAGCCCACTTACTCCTCCTGTTCTAGG
 ACACGGTCATCTTTCCTTAGGAAATTAATAATGCTTCATATTATCTGGGCATGGTGGTGCACCCCTGTAGT
 CTCAGAACTCTAGAAGGTAAGGCAGGGAGGGTAGCCTGAGCCCAAGGCCAGCCTGGGCTACCTAACAAAGA
 CCCTGTCTCTAAAAGAAAAAGAATTAACATCTTATTTTCTTAGATTTTAAAGAGAGAGTCTCTGGCAAGA
 CCCCCCTCATCAGTTCTAATCATTTTAGAAGTAGACAGAAAAAATATCTAAGCTCAGGTAATACTGAAA
 AAGCCAAAATGTTTTGTTTCTTTTTTTTTTTTTTTTTTTTTAAAGATAAACTTGTTAGTTTGGAAAGC
 AGATTTAGAAAAGATGAACCTTCACTTGGCCAGATAGGCTGAACCAAGCTTCTGGCGTTTGTAGAGAAAG
 TGGGACGCTGTTCTTTCATATTTAAATGCCAGCCAGGTGCTGGCTGTGGGCTTTCCCTCAACACCC
 TTTTTAGAAAAGGAAACTGTGTGGGGGAGATGCAGGCCTGAGCCCATAGCGAGCTTGCCTTTTCTGAC
 TGGGTCTTCTGGTCCCCCTACACCAGCCATAGGCCTGTTCTTTTTTCTTCTTCTGAAAACCTGTGACCAG
 TTCAAATTATGACTCAGAACGTAGGGCCAGCACCAGCTACCTCTGCAGACTCCCAGTGACTCTCTTTCA
 CAAGCAGATGAAGGGAAGGCTCAGAAGGCATCTCCTGTAGCTCCTGGCAGCTGGTTCTGGTGGCACTGA
 GATGAGTGCCACCAGAGGCTCACACTACTCTCTGTTGAGCTTCTCCAGGGAAGGGGATTCTGGGACA
 GGGGGCTGCCACTAAGCACACACTCCTCCTATTTCCAGAAGTGAACATTTATGTTTAGGTGCCGAA
 TGTGAATCTGGTGGGAGAGCGGGAGCCCTTCGAATGGATTTTTTTTTTTTTTTTTTTTACAGAGGTTATG
 GGAACAAAGTCTGATCCCTGGAACCTGATCTTGTGTCACCTCCAAGAATCATGGGCTTTTTTCGAATAA
 AAAAAATTTACACTTTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_022327

Insert Size: 621 bp

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:

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: [BC006907](#), [AAH06907](#)

RefSeq Size: 2132 bp

RefSeq ORF: 621 bp

Locus ID: 64143

UniProt ID: [Q9JIW9](#)

Cytogenetics: 1 E2.3

Gene Summary: Multifunctional GTPase involved in a variety of cellular processes including gene expression, cell migration, cell proliferation, oncogenic transformation and membrane trafficking. Accomplishes its multiple functions by interacting with distinct downstream effectors. Acts as a GTP sensor for GTP-dependent exocytosis of dense core vesicles (By similarity). Required both to stabilize the assembly of the exocyst complex and to localize functional exocyst complexes to the leading edge of migrating cells (By similarity). Required for suppression of apoptosis (By similarity). In late stages of cytokinesis, upon completion of the bridge formation between dividing cells, mediates exocyst recruitment to the midbody to drive abscission (By similarity).[UniProtKB/Swiss-Prot Function]