

Product datasheet for MC206059

Rab8b (BC059208) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab8b (BC059208) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rab8b
Synonyms:	D330025I23Rik, 5930437D16
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC059208

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CTGCTTTCCACCCTCCTTGTCTTTGGCGGTCAGAGAGGGCCGGAGTGAGAAGATGGCGAAGACGTACG
ATTATCTGTTCAAGCTGCTGCTCATCGGCGACTCCGGCGTTGGCAAGACCTGCCTCCTGTTCCGCTTCTC
AGAGGACGCCTTCAACACCACCTTTATCTCCACCATCGGAATTGATTTTAAAATCAGAACGATAGAAGCTC
GACGAAAAGAAAATTAACCTTCAGATATGGGACACGGCGGGCCAGGAAAGATTCCGAACAATTACGACAG
CATACTATAGAGGAGCCATGGGAATTATGCTGGTCTATGACATCACCAATGAAAAATCCTTTGACAAATAT
TAAAAATTGGATAAAGAACATTGAAGAGCAGCCTCTTCAGATGTTGAAAGAATGATCCTGGGTAACAAA
TGTGATATGAACGACAAAAGACAAGTGTGAAAGAGAGAGGGGAGAAAGTTAGCAATTGACTATGGGATTA
AATTTTTGGAGACAAGTCAAAGTCAAGTACAAATGTAGAAGAGGCATTTTTTACACTTGCACGGGATAT
AATGACAAAACCAACAGGAAAATGAACGACAGCAATTCATCAGGAGCAGGTGGGCCAGTGAAGATAACA
GAGAGCCGGTCTAAGAAGACCAGTTTCTCCGCTGTTCTCTGCTTTGATGAACTCCTCATTCTGAGAGA
CTGCAGAATACCTAGAGGGCCTTTCCCTGCCTCTCTGAAAGCACAGGCTACCCAGCCTCAGAGTCACTTC
GCCCGGCTGCTGCGGAGAGCACCCCGGAACTCACACAGACCACCAAGTGGATTCCAGCCTTGTGGCCTA
GCAAAAGAGCGGACTCCTTTCTTTAAAAAGCAGAAGCAGTGATGTGGAGACACACATAGGACCTAACTGG
TTTTCTTGTGTTTACTGCCTGTCTGGAAGCTGCTGCTTTCTTTGCACATGCGTGTGACGCTTTCCCT
GGTACAGCGTAATCTTAGACTCTTAAGTACTGAGCACTTTAGTGGCATAAAGTTCTACACTTGTATATTTGGG
GATGCTTAAAGACAGCAGAGCATTAAACAGAGGTTGACCTGTACAATTAAGGATGGTTAGCCTGGGTC
ACATGGCCAAAATTTCTCTGTTGGTAGATTTATTGAAGGGCTTTGATTTATAGTATTCCTAATTTGATA
AATGTTCAAATTTATAAAAATGCCATCTAGCCAGAGGCCATGGCATTGCTGCTTTTTCAGGGAGCAAT
CAGCCATGCTCATCCCTGAGTAGCTGTGTCCTTTGAAGTTGCCTGTCCTGCCTCCTCCATGGACTCAG
CCTCTGAAAGCACTGCAGCCTCACTGTTCAAGGGTTCTGTTTGTGTCCTTCTCCTGTGTGACTTGCT
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GATCTCACATAGGTAGCGACGTGGTCAACAGCTGTCTGTCCACATCCACCTATGGTCTTGTACATTA
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GAGATTAACATATAATTTTAAAAGACAGCTATTCGTAAGGCTGAAAGAAATGACTCTTTGGGTTTTTGT
TTGTTTGTGTTTGTGTTTAAAGTAATTAGACCTAGCACATCCTCCAGAAATCTGTCTTTTCATTAGA

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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:	BC059208 , AAH59208
RefSeq Size:	4749 bp
RefSeq ORF:	624 bp
Locus ID:	235442
Cytogenetics:	9 C
Gene Summary:	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab may be involved in polarized vesicular trafficking and neurotransmitter release. May participate in cell junction dynamics in Sertoli cells (By similarity).[UniProtKB/Swiss-Prot Function]