

Product datasheet for **MC202045**

Rab13 (NM_001042499) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab13 (NM_001042499) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rab13
Synonyms:	4930553C05Rik; AA958834
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC050194 sequence for NM_001042499
 AGATGGCGTCCCTGGATCGGGTGAAGGTTCTGGTGTGGGAGACTCAGGTGTTGGGAAATCTTCACTCGT
 CCATCTTCTGTGCCACAATCAAGTGTAGGAAATCCGTCATGGACTGTGGGCTGCTCGGTGGATATCAGA
 GTTCATGACTACAAGAAGGGACCCCTGAAGAGAAGACATACTATATAGAACTATGGGATGTTGGAGGCT
 CTGTGGGCAGTGCCAGCAGTGTGAAAAGCACAAGAGCGGTGTTCTACAACCTGTAAACGGCATCATTTT
 AGTACATGACTTAACAAATAAGAAGTCATCTCAAACTTATATCGCTGGTCATTGGAAGTTCTCAATCGG
 GATGCAGTTCCAACCGGAGTCTGGTGACAAAATGGGGATTATGACCGAGAACAGTTTGTGATAACCCAAA
 TCCCACTGTTGGTAATAGGGACTAAACTGGACCAGATTTCATGAAACCAAGCGCCATGAAGTTTTAATCAG
 GACTGCTTTCCTGGCTGAGGACTTCAATGCTGAAGAGATTAATTTGGATTGCACAAAACCCACGGTCTCA
 GCTGCAGGCTCCTCCAATGCTGTCAAGCTCAGTAGATTTTTTGTAAAGGTTATAGAGAAGAGATATTTTT
 TTAGAGAAGGTAATCAGATTCGGGCTTTTCTGATCGGAAGAGGTTTGGAGGAGGGGCACTGAAGAACTT
 CCACTGTGACTGAGTGGCCCTCAGCCCTGGAAGAGCAAGGGAACAGCAGCAGTGTCCACAGCTTCTCTT
 GCTGTGTAGGGACATTAACCTCAGGCTTTGGGAAAAACATCTCAAAATGCTACCTCACCTCTCTTGG
 AAAATTGAAAGGAAGCAGCGCATGGAAGGCTCCTAGCTCTGCCATTCTGTATCCTCACCACCCTGTC
 CCTGATTATAGCTTATGTAAGCCTTGTGACGACATAAAGGCTTGTCAAACCCATGCAGTAAAGAAGT
 GAGACAAGGGCTGCAGCGAAGGCTGACTTACTTGAACCAAGCGGGTTTACAGGCCTGCGATTTTCCC
 ACACTTGCTGCTGAAGGCTTAATTAAGTACTTCAGAAACATATCTGTGTTGTTTTACTTCTGAGGGGAA
 AGGTCATGTTAATCAGCCCTGAGTTATCCACCCCAAAACCATCCCTGCCATTTTAAAGAAGCCAAATGGT
 GTTATTTTCTTCTCCATCCTCATTACACACAGGGATGCCTAAGAAATAGCAACCCCATCTCCTCTGCTC
 TCTCTGGGAAAGGGCTTAGTGTCTGGGAAGAGCGATGACTAATAGCTGGAGTTAAATAGAAATACAAAT
 TAATAATACATGGCGAACAGACCAGAAGAGAAGGCTGTGAGACTCTAACAGCTCCTCTGCTCCAAGGT
 TGCAGCTGTCGGAAGGCTCTTCTGCTTCTGTTTGGAAAGTGGGTGAAATCTGAGACCTGTACAAGGCC
 AGTAAGACAGATTATTGCCTCTTTGGTGGTCTTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTT
 TTTTTAATTTTCTTTTCCAGTTTGGTGGTGTGTTCTGTTTATTTGTAAGGAAATCCAATTCCTGG
 AATGTCCCTTAATACGATGAACAGTAAGCTAAGACTATTATCCTTGTCTTAACAATGATTTATGAGAAG
 TCAATTACGTCCCAGAGTAACGAACTCATATACATTATGAGCCCGTGTGAGGTTTCATCATCACGCTG
 CAACGTTTTTGGCGGTGGTGTATGTATATGTTTGCATAACTGGTTGTCATTGTTTCTAGCCCATCTT
 TTTTGCTGGTTAATCTCAGTTCCTTAGTTTATAAAATGGTTGCCAAAAAACGACTGTAATTGGCTGCT
 GTGTTCAACACCTTGTTCAGATGCTCCTGTCTGCAGCGGCGCCCGCTTCTGCTCCCGCTCCCGGC
 TCCCTGGCTTTGTACCTAATTAATAAATCATGGTATGAATATATAAAAAAAAAAAAAAAAAACAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_001042499

Insert Size: 711 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: [BC050194](#), [AAH50194](#)

RefSeq Size: 2064 bp

RefSeq ORF: 711 bp

Locus ID: 67657

UniProt ID: [Q9D4V7](#)

Cytogenetics: 16 B3

Gene Summary: Required for KRAS signaling regulation and modulation of cell proliferation (PubMed:31406347). Regulator of KRAS prenylation, and probably prenylation of other small GTPases (By similarity). Required for lymphocyte development and function (PubMed:32220963). Not required for myeloid cell development (PubMed:32220963). [UniProtKB/Swiss-Prot Function]