

Product datasheet for **MC212622**

Rap1b (NM_024457) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rap1b (NM_024457) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rap1b
Synonyms: 2810443E11Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212622 representing NM_024457
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGTGAATATAAGCTCGTCGTGCTTGGATCAGGAGGCGTTGGGAAGTCAGCCCTGACTGTACAGTTTG
TTCAAGGAATTTTGTGAAAAATATGATCCTACGATAGAAGATCCTTATAGAAAGCAAGTTGAAGTAGA
TGCACAGCAGTGTATGCTTGAAATCTTGGACACTGCAGGAACGGAGCAATTCACAGCCATGAGGGACCTG
TACATGAAGAACGGACAAGGCTTCGCTCTGGTTTACTCCATCACAGCACAGTCGACATTTAACGACTTAC
AAGATCTAAGAGAGCAGATTCTGCGGGTTAAAGACACTGATGATGTTCCAATGATTCTGGTTGGCAATAA
ATGCGACTTGAAGATGAAAGAGTTGTAGGAAAGGAACAAGGTCAGAACCCTAGCAAGACAGTGAACAAC
TGTGCATTCTTAGAATCCTCTGCAAAGTCCAAAATAAATGTTAATGAGATCTTTTATGACCTAGTGCGGC
AAATTAACAGAAAACTCCAGTGCCTGGGAAGGCCCGCAAAAAGTCATCGTGTGCTGCTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_024457
Insert Size: 555 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).



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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:	<u>NM_024457.2</u> , <u>NP_077777.1</u>
RefSeq Size:	1937 bp
RefSeq ORF:	555 bp
Locus ID:	215449
UniProt ID:	<u>Q99JI6</u>
Cytogenetics:	10 D2
Gene Summary:	GTP-binding protein that possesses intrinsic GTPase activity. Contributes to the polarizing activity of KRIT1 and CDH5 in the establishment and maintenance of correct endothelial cell polarity and vascular lumen. Required for the localization of phosphorylated PRKCZ, PARD3 and TIAM1 to the cell junction. Plays a role in the establishment of basal endothelial barrier function (By similarity).[UniProtKB/Swiss-Prot Function]