

Product datasheet for **MC207216**

Rab27b (NM_001082553) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab27b (NM_001082553) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rab27b
Synonyms: 2310021G14Rik; B130064M09Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207216 representing NM_001082553
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTGATGGAGACTATGATTATCTGATTAACCTCTGGCCCTGGAGACTCAGGAGTCGGAAGACAA
CATTTCTCTATAGATACACAGACAATAAATTCATCCAAATTCATCACCACAGTGGGAATAGATTTTCG
GGAAAAACGTGTGTTTATGACACACAAGGAGCAGATGGAGCGTCAGGAAAAGCGTTTAAGGTACATCTG
CAGCTTTGGGACACTGCTGGACAAGAGCGTTCGGAGCCTTACCACTGCCTTCTCAGAGATGCCATGG
GCTTCTTACTGATGTTTACCTCACCAGTCAACAGAGCTTCTTGAATGTCAGAACTGGATGAGTCAACT
GCAGGCAAATGCTTACTGTGAAAACCCAGACATAGTATTAATGGCAACAAGGCAGACCTGCCAGACCAA
AGGGAAGTCAATGAACGGCAAGCACGGGAGCTGGCTGAAAAATATGGCATACCACTTCGAAACAAGCG
CAGCTACAGGACAGAATGTAGAGAAGTCAGTGGAAACGCTTCTGGACTTAATCATGAAGAGAATGGAAAA
GTGTGTAGAGAAGACACAGGTTCCGGACACTGTCAATGGAGGAAATCTGGAAAGCTGGATGGGGAAAAAG
CCAGCAGAAAAGAAATGTGCCTGCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001082553
Insert Size: 657 bp



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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:	<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_001082553.2</u> , <u>NP_001076022.1</u>
RefSeq Size:	6891 bp
RefSeq ORF:	657 bp
Locus ID:	80718
UniProt ID:	<u>Q99P58</u>
Cytogenetics:	18 43.89 cM
Gene Summary:	<p>Plays a role in NTRK2/TRKB axonal anterograde transport by facilitating the associaton of NTRK2/TRKB with KLC1. May be involved in targeting uroplakins to urothelial apical membranes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate exon structure in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>