

Product datasheet for **RR201378**

Rab14 (NM_053589) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rab14 (NM_053589) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Rab14
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR201378 representing NM_053589
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCAACTACACCGTACAACACTCTTACATCTTTAAGTATATTATTATCGGGGATATGGGAGTAGGAA
 AATCTTGCTTGCATCAATTTACAGAAAAAAGTTTATGGCTGATTGCCTCACACAATTTGGTGTGA
 ATTTGGTACAAGAATAATTGAAGTTAGTGCCAAAAAATCAAACGCAGATTTGGGATACAGCAGGACAG
 GAGAGGTTTCAGAGCTGTTACACGGAGCTACTATAGAGGAGCTGCAGGTGCGCTCATGGTGTATGACATCA
 CCAGAAGAAGTACATATAACCACTTAAGCAGCTGGTTGACAGATGCAAGGAACCTCACCAACCCAAACAC
 TGTAATAATTCTCATAGGAAATAAAGCAGATTTGGAAGCAGAGAGATGTTACCTATGAAGAAGCCAAA
 CAGTTTGTGAAGAAAACGGCTTATTGTTCTTGAAGCAAGTGCAAAAACGGGAGAGAATGTAGAAGATG
 CTTTTCTGAGGCTGCCAAGAAATCTATCAGAACATTCAGGATGGAAGCCTGGATCTGAATGCTGCCGA
 GTCTGGTGTACAACAAACCCTCAGCCCCGAGGGAGGACGGCTAACCAAGTGAACCCCAACCCAGAGA
 GAAGGCTGTGGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201378 representing NM_053589
 Red=Cloning site Green=Tags(s)

MATTPYNYSYIFKYIIIGDMGVGKSCLLHQFTEKKFMADCPHTIGVEFGTRIIIEVSGQKIKLQIWDTAGQ
 ERFRAVTRSYRGAAGALMVYDITRRSTYNHLSSWLTARNLTNPNTVIIILIGNKADLEAQRDVTYEEAK
 QFAEENGLLFLEASAKTGENVEDAFLEAAKKIYQNIQDGLDLNAAESGVQHKPSAPQGGRLTSEFPQQR
 EGGC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



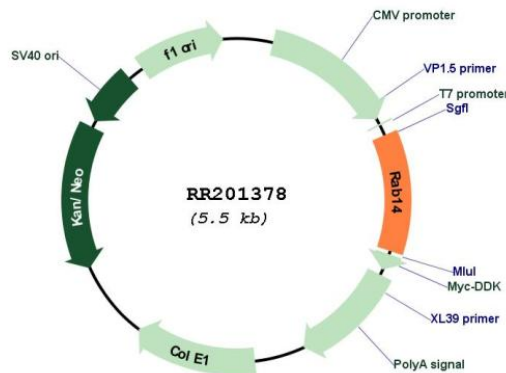
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053589

ORF Size: 645 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_053589.1</u> , <u>NP_446041.1</u>
RefSeq Size:	774 bp
RefSeq ORF:	648 bp
Locus ID:	94197
UniProt ID:	<u>P61107</u>
Cytogenetics:	3p11
MW:	23.9 kDa
Gene Summary:	may regulate neurotransmitter release [RGD, Feb 2006]