

Product datasheet for **RR214776**

Rab12 (NM_013017) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab12 (NM_013017) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214776 representing NM_013017 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCGAGCGCCGCGCTGCACCGCGGCCCGCGGGCGGGCCTGGGCGGGTCTCCCCGGCGCTGT
CCGGCGGCCAGGCCCGTCGGAGGAAGCAGCCCCCAGGCCGCGCGACTTCAAGCTGCAGGTATCATCAT
CGGCTCCCGCGGGCTGGGCAAGACCAGCCTGATGGAGCGCTTACCGACGACACGTTCTGCGAGGCCCTGC
AAGTCCACCGTGGGTGTTGACTTTAAAAATCAAGACTGTAGAACTAAGAGGGAAGAAAATTAGATTACAGA
TCTGGGACACAGCAGGGCAGGAGCGATTCAACAGCATTACCTCAGCCTATTACAGAAGTGCCAAGGGGAT
CATACTCGTGTATGACATCACCAAGAAAGAGACGTTTCGATGACTTGCCAAAGTGGATGAAGATGATCGAT
AAGTATGCTTCAGAAGACGCTGAGCTTCTCCTGGTCGAAATAAGCTGGACTGTAAACAGACAGAGAAA
TCTCCAGGCAGCAAGGAGAAAAGTTTGACAGCAGATAACCGGGATGCGGTTCTGCGAAGCCAGTGCCAA
GGACAATTTCAACGTGGATGAGATCTTTCTGAAACTCGTTGATGATATTTTGAAAAAGATGCCTCTCGAT
GTTTTGAGAAGCGAGTTATCCAATAGCATCCTCTCTACAACCAGAGCCTGAGATCCCACCAGAGCTGC
CTCCACCAGACCACACGTCGATGCTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214776 representing NM_013017
Red=Cloning site Green=Tags(s)

MDPSAALHRRPAGGGLGAVSPALSGGQARRRKQPPRPADFKLQVIIIGSRGVGKTSLMERFTDDTFCEAC
 KSTVGVDFKIKTVELRGKKIRLQIWDTAGQERFNSITSAYYRSAGKIILVYDITKKETFDDLPKWMK MID
 KYASEDAELLLVGNKLDCE TDREISRQQGEKFAQQITGMRFCEASAKDNFNVDEIFLKLVD DILKKMPLD
 VLRSELSNSILSLQPEPEIPPELPPPRPHVRCC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013017

ORF Size: 729 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:

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: [NM_013017.1](#), [NP_037149.1](#)

RefSeq Size: 1984 bp

RefSeq ORF: 732 bp

Locus ID: 25530

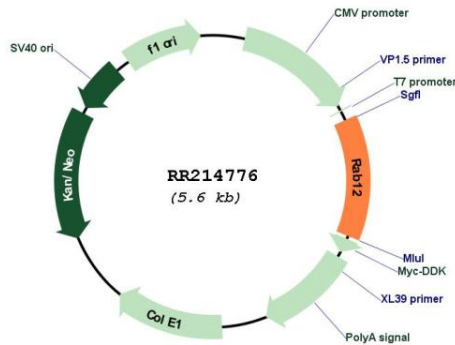
UniProt ID: [P35284](#)

Cytogenetics: 9q37

MW: 27.3 kDa

Gene Summary: may play a role in vesicle-mediated transport; may regulate neurotransmitter release [RGD, Feb 2006]

Product images:



Circular map for RR214776