

Product datasheet for **RR203168**

Rab3d (NM_080580) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab3d (NM_080580) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rab3d
Synonyms: MGC93243
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203168 representing NM_080580
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCCGCTAGTGAGCCCCCTGCCAGCCACGGGACGCTGCCGACCAGAACTTTGACTACATGTTCA
AACTGCTTTTATCGGGAACAGCAGCGTAGGCAAGACCTCCTTCTGTTCCGCTATGCCGATGACTCCTT
CACCCCGCCTTCGTGAGCACAGTGGGCATTGACTTCAAGGTCAAGACAGTCTACAGACATGACAAGAGG
ATCAAGCTGCAGATCTGGGACACAGCAGGCCAGGAGCGCTACCGACAATCACCACGGCCTACTACCGTG
GAGCCATGGGCTTCCTGCTGATGTATGACATCGCCAACCAAGGAGTCCCTCACAGCTGTGCAGGACTGGGC
TACGCAGATTAACCTATTCTGGGACAACGCCAGGTCATCCTTGTGGGAACAAGTGTGACCTGGAG
GATGAACGGGTCGTATCTGCTGAGGATGGCCAGAGGCTCGCTGGTGATCTTGTTTTGAGTTCTTCGAGG
CCAGCGCAAGGAGAATCAACGTGAAGCAGGTGTTTCGAGCGCCTGGTGGATATCATCTGTGACAAGAT
GAATGAGTCCCTGGAACCCAGCTCCAGCCAGGCAGCAATGGGAAAGGCCAGCCCTCGGGGATACCCCA
CCCCCTCAGCCGAGCAGCTGCGGCTGT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203168 representing NM_080580
Red=Cloning site Green=Tags(s)

MASASEPPASPRDAADQNFDFMKLLLIIGNSSVGKTSFLFRYADDSFTPAFVSTVIGIDFKVKTVYRHDKR
 IKLQIWDTAGQERYRTITTAYYRGAMGFLMYDIANQESFTAVQDWTQIKTYSWDNAQVILVGNKCDLE
 DERVVAEDGQRLAGDLGFEFFEASAKENINVQVFERLVDIICDKMNESLEPSSSPGSGNGKGPALGDT
 PPQPSSCGC

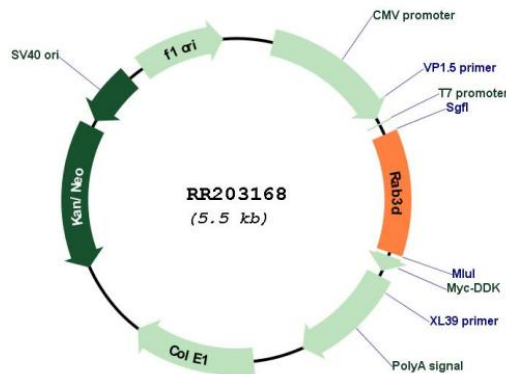
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_080580

ORF Size: 657 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:	NM_080580.2 , NP_542147.1
RefSeq Size:	2226 bp
RefSeq ORF:	660 bp
Locus ID:	140665
UniProt ID:	Q63942
Cytogenetics:	8q13
MW:	24.3 kDa
Gene Summary:	may regulate membrane fusion in Fc epsilonRI-stimulated mast cell exocytosis [RGD, Feb 2006]