

Product datasheet for **RR209560**

Rnf181 (NM_001007647) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf181 (NM_001007647) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rnf181
Synonyms: MGC94464
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR209560 representing NM_001007647
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTCTTATTTTATGATGAGCAGCACTGCGAGCCGTTGAACCTGAGCGTGAGGCCCGCAACAATATGT
 TGCTAGAACTCGCGAGAAGAGTGCAGCGGGCTTGGAGTTGGGCCCTGGCAGCAGATCACTCTTTAATAG
 GATGGACTTTGAGGACCTGGGATTGGTAGATTGGGAACACCACCTTCCCCACCAGCTGCCAAGGCTGTG
 GTGGAGAGCCTCCCCAGAACAGTCATCCGTAGCTCCAAGGCTGAGCTCAAGTGTCCCGTGTGTCTTTTG
 AATTTGAGGAGGAGGAGACTGTCATTGAGATGCCCTGCCATCATCTCTTCCATTCCAAGTGCATTCTGCC
 CTGGTTAAGTAAGACAAATTCCTGCCCTCTGTGCCCATGAGCTGCCACCGATGACGACAGTTATGAA
 GAGCACAAGAAAGACAAGGCTCGGAGGCAGCAGCAGCAGCACCGCCTGGAGAACCTCCATGGAGCCATGT
 ACACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209560 representing NM_001007647
 Red=Cloning site Green=Tags(s)

MASYFDEHDCEPLNPEREARNMELLEARRVRGAWSWAPGSRSLFNRMDFEDLGLVDWEHLPPPAKAV
 VESLPRTVIRSSKAEKCPVCLLEFEETVIEPCHHLFHSNCILPWLSTNSCPLCRHELPTDDDSYE
 EHKKDKARRQQQHRLNLHGAMYT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001007647

ORF Size: 495 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_001007647.1](#), [NP_001007648.1](#)

RefSeq Size: 1831 bp

RefSeq ORF: 498 bp

Locus ID: 297337

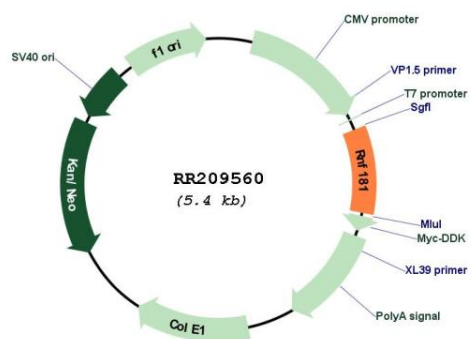
UniProt ID: [Q6AXU4](#)

Cytogenetics: 4q31

MW: 19.3 kDa

Gene Summary: E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR209560