

Product datasheet for **RR214767**

Myf5 (NM_001106783) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myf5 (NM_001106783) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Myf5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214767 representing NM_001106783
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACATGACGGACAGCTGCCAGTTCTCGCCTCCGAGTACTTCTATGACGGCTCCTGTATCCCCTCCC
CTGAGGATGAGTTTGGGACCAGTTTGGCCAAAGAGTCGCAGCCTTCGGAGCACACAAAGCTAAGCTGCA
GGTTTCAGACGATGAGGAGCACGTGCGTGCACCTACTGGCCACCACCAGGCTGGTCACTGCCTCATGTGG
GCCTGCAAAGCTTGAAGAGGAAGTCCACTACCATGGATCGACGCAAGGCCGCCACCATGCGCGAGCGCA
GACGCCTGAAGAAGGTCAATCAAGCTTTCGAGACGCTCAAGCGGTGCACCACAACCAACCCTAACAGAG
ACTTCCCAAGGTGGAGATCCTCAGGAATGCAATCCGCTACATTGAGAGTCTTCAGGAGCTGCTGAGGGAG
CAGGTAGAGAATATTACAGCCTGCCCGGACAGAGCTGCTCCAGCCCACCAGCCCCACCTCCAAGTCT
CTGATGGCATGCCTGAATGTAACAGCCCTGTCTGGTCCCGAAAGAACAGTAGCTTTGACAGCATCTACTG
CCCTGATGATCAAACGCATGTGCTTCAGATAAGAGCTCCTTGTCCAGCTTGGATTGCTTGTCCAGCATA
GTGGATCGGATCACGTCTGCAGAGCCATCCGAGTTGGCTCTTCAGGACACAGCTTCTCTCTCCAGCTG
CCAGCACCAATTCACAGCCTGCAACCCCGGGTCTCCAGTTCAGACTTATCTATCACGTATTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214767 representing NM_001106783
Red=Cloning site Green=Tags(s)

MDMTDSCQFSPSEYFYDGCIPSPDEFDQFEPVAAF GAHKAKLQGSDDDEHVRAPTGHHQAGHCLMW
ACKACKRKRSTTMDRRKAATMRERRRLKKNQAFETLKRCTTTNPNQRLPKVEILRNAIRYIESLQELLRE
QVENYYS L PGQSCSQPTSPTSNCS DGMPECNSPVWSRKNSSFDSIYCPDVS NACASDKSSLSSLDCLSSI
VDRITSAEPSELALQDTASLSPAASTNSQPATPGSSSSRLIYHVL

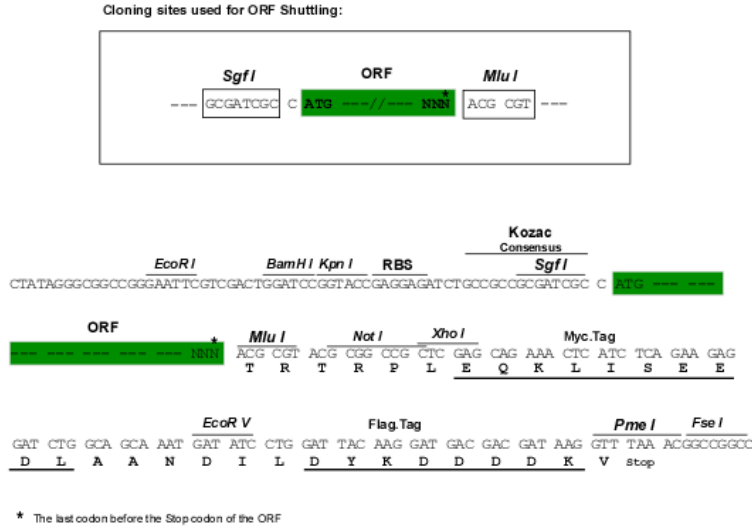
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV



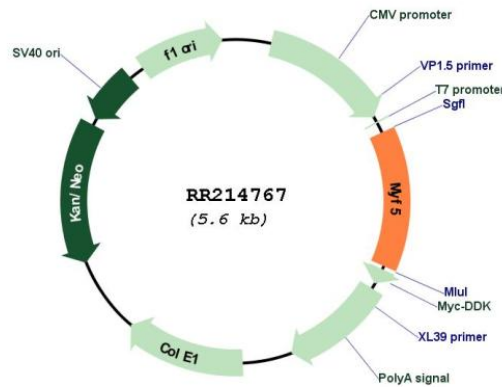
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106783

ORF Size: 765 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_001106783.1, NP_001100253.1</u>
RefSeq Size:	2055 bp
RefSeq ORF:	768 bp
Locus ID:	299766
Cytogenetics:	7q21
MW:	28.2 kDa