

Product datasheet for **RR205877**

Myf6 (NM_013172) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myf6 (NM_013172) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Myf6
Synonyms: MRF4AA
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205877 representing NM_013172
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGATGGACCTTTTTGAAACTGGCTCCTATTTCTTCTACTTAGATGGAGAAAATGTGACTCTTCAGC
CATTAGAAGTGGCAGAGGGCTCTCCTTTGTACCCAGGGAGTGATGGTACCCTATCCCCTTGCCAGGACCA
AATGCCCCAGGAAGCCGGGAGCGACAGCAGTGGAGAGGAACACGTTCTGGCTCCCCAGGCCCTTCAGCCA
CCCCACTGCCAGGTCACTGTCTGATCTGGGCTTGCAAGACTTGAAGAGAAAATCTGCCCCACAGATC
GTCGGAAGCAGCTACCCTGCGCGAAAGGAGGAGCTTAAGAAAAATCAACGAAGCCTTTGAGGCCTTGAA
GCGTAGAACTGTGGCCAACCCCAACCAGAGGCTGCCAAGGTGGAGATTCTGAGAAGTGCCATCAACTAC
ATTGAGCGTCTGCAGGACCTGCTGCACCGGCTGGATCAGCAAGAGAAAATGCAGGAGCTGGGGGTGGACC
CTTACAGCTACAAACCAAGCAAGAAATCTTGAGGGTGGGATTTCTGCGCACCTGCAGCCCGCAGTG
GCCAAGTGTTCGGATCATTCCAGGGCCTGGTGATAACTGCTAAGGAAGGAGGACCAAGCGTCGATGCT
TCAGCTCCAGCAGTCTTCAGCGCCTTTCTCCATCGTGGACAGTATTTCTCAGAGGAACGCAAACCTCC
CCAGCGTGGAGGAGGTGGTGGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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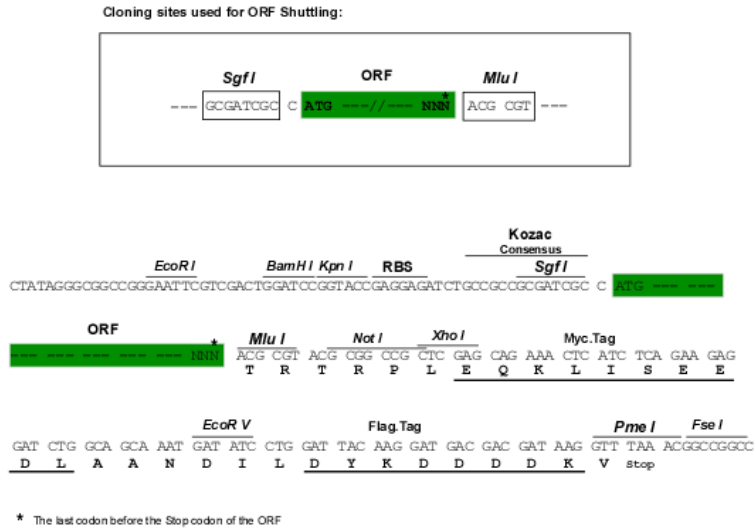
Protein Sequence: >RR205877 representing NM_013172
Red=Cloning site Green=Tags(s)

MMMDL FETGSYFFYL DGENVTLQPLEVAEGSPLYPGSDGTLSPCQDQMPQEAGSDSSGEEHVLAPPGLQP
 PHCPGQCLIWACKTCKRK SAPTRRRKAATLRERRRLKLINEAFEALKRRTVANPNQRLPKVEILRSAINY
 IERLQDLLHRLDQEQKMQELGVPYYSYKPKQEILEGADFLRTCSPQWPSVSDHSRGLVITAKEGGASVDA
 SASSLQRLSSIVDSISSEERKLPSVEEVVEK

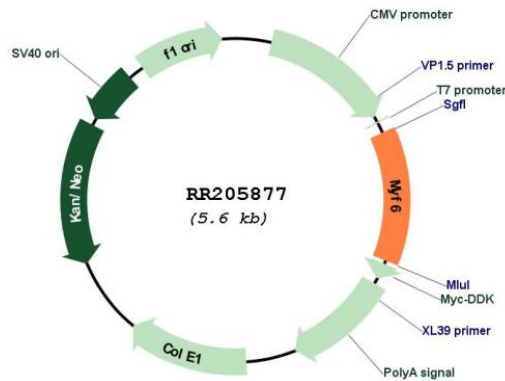
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013172

ORF Size: 726 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_013172.2 , NP_037304.1
RefSeq Size:	1271 bp
RefSeq ORF:	729 bp
Locus ID:	25714
UniProt ID:	P19335
Cytogenetics:	7q21
MW:	27 kDa
Gene Summary:	DNA binding protein; involved in muscle differentiation [RGD, Feb 2006]