

Product datasheet for **RR205719**

Myoz1 (NM_001109097) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myoz1 (NM_001109097) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Myoz1
Synonyms: RGD1561064
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR205719 representing NM_001109097
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCGCTCTCGGGAACCCCGGCCCTAACAAGAGGAGGAAGTCAAGCAAAGTATTGGAGCTCACTG
GAGGCGGTCGGGAGAGTTCGGGCCTGAACCTGGCAAGAAGATCAGTGTCCCGAGGGATGTGATGTTGGA
GGAGTTGTCGCTCCTTACCAACCGAGGCTCCAAGATGTTCAAGCTGCGGCAGATGCGGGTGGAGAAATTT
ATCTATGAAAACCACCCGATGTTTTCTCTGACAGCTCAATGGATCACTCCAGAAGTTTCTTCCCACAG
TGGGAGGACAGCTGGAGTCAGCTGGTCAAGGCTTCTCCTATGGCAAGGGCAGCAGCGGAGCCAGGCTGG
GGCCAGTGGCTCTGCTGGACAGTATGGCTCTGACCGCCATCAGCAGGGCTCTGGGTTTGGAGCTGGGGT
GCAGGTGGTCTGGGGCCAGGCTGGCGGAGGAGCAGCTCCCGGCACAGTAGGGGTTGGAGAGCCAGGAT
CAGGTGACCAGGCAGGTGGAGATGGGAAACACGTCACCTGTGTTCAAGACATATATTTCCCGTGGGATCG
GGCCATGGGGTTCGACCTCAGCAAAAAGTGGAAGTGGCATTGACCTGCTGGCATATGGCGCAAAGCT
GAACTCCCAAGTATAAGTCCTTAAACAGGACGGCAATGCCCTATGGTGGATATGAGAAGGCCTCCAAAC
GAATGACCTTCCAGATGCCCAAGTTTGACCTGGGGCCTGCTGAGTGAACCTTGGTCTCTACAACCA
GAACTCTCCAACAGGCCTTCTTCAATCGAACCCTATCCCTGGTTGAGCTCTGGGGAGCATGTAGAC
TACAGCGTGGATATCGGCATACCCTTGGATGGAGAGACAGAGGAGCTG

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



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Protein Sequence: >RR205719 representing NM_001109097
Red=Cloning site Green=Tags(s)

MPLSGTPAPNKRKSSKLIMELTGGRESSGLNLGKKISVPRDVMLEELSLLTNRGSKMFKLRQMRVEKF
 IYENHPDVFSDDSSMDHFQKFLPTVGGQLESAGQGF SYGKGS SGGQAGASGSAGQYGS DRHQGSGFGAGG
 AGPGGQAGGGAAPGT VGVGEPGSGDQAGDGKHVTVFKTYI SPWDRAMGVDPQQKVELGIDLLAYGAKA
 ELPKYKSFNRTAMPYGGYEKASKRMTFQMPKFDLGPLLSEPLVLYNQNL SNRPSFNRTPIPWLSGGEHVD
 YSVDIGIPLDGETEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001109097

ORF Size: 888 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_001109097.1](#), [NP_001102567.1](#)

RefSeq Size: 1242 bp

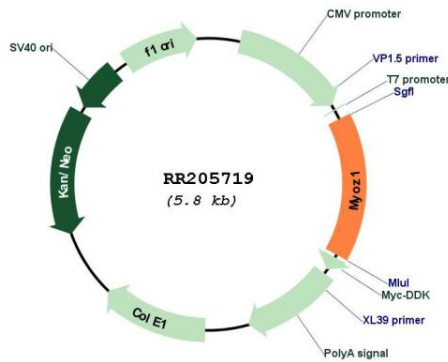
RefSeq ORF: 891 bp

Locus ID: 498440

Cytogenetics: 15p16

MW: 31.4 kDa

Product images:



Circular map for RR205719