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Product datasheet for RR217723

Myo9b (NM_001271067) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo9b (NM_001271067) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myo9b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217723 representing NM_001271067 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGTGCTCACGAGGCTGGCAGCTCAGGCCGAAGGCGGCCGGCCACCTTCCACCTGCACATCTACCCTC AGCTGCCCAGTGCTGGGAGCCAGACCTCATGCCGTGTAACCGCCACCAAGGACAGCACAACAAGCGATGT CATCCGAGACGTGGTGGCCAGTCTACACCTGGACGGCTCGAAGCACTATGTGCTGGTGGAGGTGAAGGAG TCGGGTGGGGAGGAGTGGGTGCTGGATGCCAGCGACTCGCCTGTGCACCGAGTGCTGCTGTGGCCTCGGC GAGCGCAGAAGGAGCACCCTCGGGAGGACGGCTACTACTTCCTGCTGCAGGAGCGCAACGCTGACGGCAG CATTCAGTACCTGCACGTGCAGCTGCTGGCTCAGCCCACAGCCGCATGTCGCCTGGTGGAGCGAGGGCTG CTGCCAAGGCCTCAAGCGGACTTCGACGACCTGTGCAACCTGCCGGAGCTGAACGAGGCCAACCTGCTGC AGAGCCTGAAGCTGCGCTTCGTGCAGCAGAAGATCTACACGTACGCGGGCAGCATCCTGGTGGCCATCAA CCCCTTCAAGTTCCTGCCCATTTACAACCCCAAGTATGTGAAGATGTACGAGAACCAGCAGCTGGGAAAG CTGGAGCCGCACGTGTTCGCTCTGGCCGATGTAGCCTACTACACCATGCTGCGCAAGCACGTGAACCAGT GCATCGTCATCTCTGGTGAGAGCGGGTCCGGCAAGACGCAAAGCACCAACTTCCTCATCCACTGCCTCAC AGCGCTCAGCCAGAAGGGCTACGCCAGCGGCGTCGAGAGGACCATCCTGGGTGCAGGGCCTGTGCTGGAG GCTTTTGGGAACGCCAAGACAGCCCACAACAACAACTCCAGCCGCTTCGGGAAGTTCATCCAAGTCAACT ACCTGGAGAGTGGCATCGTGAGGGGAGCTGTTGTGGAAAAATACCTTCTTGAAAAGTCTCGCCTGGTTTC CCAGGAGAAGGATGAGCGGAACTACCATGTGTTTTATTATCTGCTGCTGGGCGTCAGTGAGGAAGAGCGT CAGGAATTTCAGCTGAAGCAGCCTCAAGACTATTTCTACCTCAACCAGCATAACTTGAATATTGAAGATG GAGAAGACCTCAAACATGACTTTGAAAGGCTTCAGCAGGCCATGGAGATGGTGGGCTTCCTACCTGCCAC GAAGAAGCAGATCTTCTCTGTCCTCTCAGCCATCCTGTATCTTGGCAATGTCACCTATAAGAAGAGAGCC ACAGGCCGGGATGAAGGCCTGGAGGTCGGGCCCCCGGAGGTATTGGACACACTATCCCAGCTCCTGAAGG TAAAGCGGGAGACCCTGGTGGAGGTCCTAACCAAGAGAAAAACAATCACGGTCAATGACAAACTCATCCT GCCTTACAGCCTCAGTGAGGCTATCACTGCACGAGACTCCATGGCTAAGTCTCTGTACAGCGCCCTGTTT GACTGGATTGTGCTGAGGATCAACCACGCCCTCCTCAACAAGAAGGACATGGAAGAGGCTGTTTCTTGCT TGTCCATTGGCGTCCTGGACATATTCGGATTTGAGGACTTTGAACGGAACAGCTTCGAGCAGTTTTGCAT CAACTACGCCAACGAGCAGTTGCAGTACTACTTCACCCAGCACATCTTCAAGCTGGAGCAGGAGGAGTAC

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Protein Sequence:

>RR217723 representing NM_001271067
Red=Cloning site Green=Tags(s)

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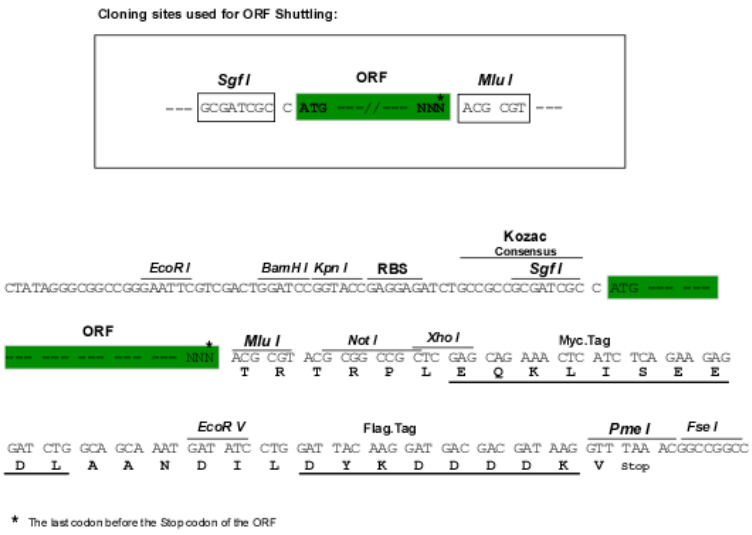
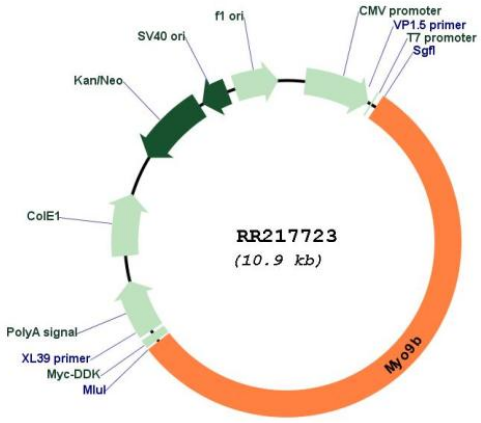
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001271067
ORF Size:	6033 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_001271067.1, NP_001257996.1
RefSeq Size:	7077 bp
RefSeq ORF:	6036 bp
Locus ID:	25486
Cytogenetics:	16p14
MW:	228.6 kDa
Gene Summary:	displays ATP-dependent binding to actin: binds members of the rho family of GTPases; may play a role in formation of the actin cytoskeleton [RGD, Feb 2006]