

Product datasheet for **RN212556**

Myoc (NM_030865) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myoc (NM_030865) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myoc
Synonyms:	Tigr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212556 representing NM_030865
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCTCTGTGCATACTGCTGCAGCTGCGGTCCCAAGATGCCAGCTCTCCAGCTGCTGTTTCTGGCCT
 GCCTGGTGTGGGAATGGGGCCAGGACAGCACAGTTCGAAAGGCCAACGATCGGAGTGGTCGATGCCA
 GTACACCTTCACTGTGGCCAGCCCCAGTGAATCTAGCTGCCAAGGGAGGACCAGGCCATGTCAGCCATC
 CAGGACCTTCAGAGAGATAGCAGCATCCAGCATGCAGACCTAGAGTCCACCAAGGCCCGGTGATGCC
 TGGAGAGTCTCTCCACCAGATGACCTCAGGCGGAGTTACTGGGACCCAGGAGGTCCAGGAGGGCTACA
 AGGCCAGCTGGGTGCCCTGAGGAGAGCGGGACCAGCTGGAGACGCAAACCAGGGATCTGGAGGTAGCC
 TATAACAATCTCCTGAGAGACAAATCAGCTTTGGAGGAAGAGAAGAGGCAGCTGGAACAAGAGAATAAG
 ATTTGGCCAGGAGCTAGAAGGCAGCAGCCAGGAGGTAGCAAGGCTGAGGAGAGGCCAGTGTCCCTCAAC
 CCACCACCCCTCTCAGGACATGTTGCCAGGCTCCAGGGAAGTCTCTCAGTGAATTTGGACACGTTGGCT
 TTCCAGGAACTGAAGTCAGAACTAACAGAGGTTCTCTGCTTCCCAAATCTTGAAGAATCAATCTGGTCATC
 CCAGGAGCAAAGAGGGAGACAAAGGATGTGGAGTGCTAATGTGGGTAGGAGAGCCAGTCACCCCTGAGGAC
 AGCTGAGACAATCACTGGAAAGTATGGAGTATGGATGAGAGACCCCAAGCCCACTCACCCCTACCCAG
 GAGACCACTTGGAGGATTGACACGGTTGGCACAGGCATCCGCCAGGTGTTTGAGTACAGTCAGATAAGCC
 AGTTTCGAGCAGGGCTATCCTTCAAAGGTCCATGTGCTCCCCAGGCATGGAAAGCACAGGTGCTGTGGT
 GTACTCGGGGAGCCTCTATTTCCAGGGTCTGAGTCCAGAAGTGTGCTCAGGTATGAACTGAACACAGAA
 ACAGTGAAGGCAGAGAAGGAAATTCCTGGAGCTGGCTACCATGGACAGTTCCTATACGACAGAGAAACAGAGG
 AGCCATAGTCCTTCCAATGAACCCAGAGAACCCTGGAACCTGAGAGTACCTGGGAGACCAACATCCGT
 AAGCAGTCTGTGGCTAATGCCTTTGTTATCTGTGGCATCTGTACACGGTGGAGCAGCTACTTTCAGTCC
 ATGCAACCATCAACTTTGCCTATGACACTAACACTGGGATCAGCAAGACCCTGACCATCCCATCAAGAA
 TCGCTACAATAACAGCAGCATGGTCGACTACAACCCCTGGAGAGGAACTCTTTGCCTGGGACAACTTC
 AACATGGTCACCTATGATATCAAGCTCTCAGAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030865

Insert Size: 1509 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_030865.1 , NP_110492.1
RefSeq Size:	2068 bp
RefSeq ORF:	1509 bp
Locus ID:	81523
UniProt ID:	Q9R1J4
Cytogenetics:	13q22
Gene Summary:	gene is associated with the pathogenesis of juvenile-onset primary open angle glaucoma [RGD, Feb 2006]