

Product datasheet for RC213272

Myoglobin (MB) (NM_203377) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myoglobin (MB) (NM_203377) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myoglobin
Synonyms:	PVALB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213272 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCTCAGCGACGGGAATGGCAGTTGGTGTGAACGCTCTGGGGGAAGGTGGAGGCTGACATCCCAG
 GCCATGGGCAGGAAGTCCTCATCAGGCTCTTAAGGGTCACCCAGAGACTCTGGAGAAGTTTGACAAGTT
 CAAGCACCTGAAGTCAGAGGACGAGATGAAGGCATCTGAGGACTTAAGAAGCATGGTGCCACTGTGCTC
 ACCGCCCTGGGTGGCATCCTTAAGAAGAAGGGGCATCATGAGGCAGAGATTAAGCCCTGGCACAGTCGC
 ATGCCACCAAGCACAAGATCCCCGTGAAGTACCTGGAGTTCATCTCGGAATGCATCATCCAGTTCTGCA
 GAGCAAGCATCCCGGGGACTTTGGTGTGATGCCAGGGGGCCATGAACAAGGCCCTGGAGCTGTTCCGG
 AAGGACATGGCCTCCAACCTACAAGGAGCTGGGCTTCCAGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC213272 protein sequence Red=Cloning site Green=Tags(s)
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MGLSDGEWQLVLNVWGKVEADIPGHGQEVILIRLFKHPETLEKFDKFKHLKSEDEMKASEDLKKHGATVL
 TALGGILKKKGHHEAEIKPLAQSHATKHIPVKYLEFISECIIQVLQSKHPGDFGADAQGAMNKALELFR
 KDMASNYKELGFQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/mk6047_a05.zip
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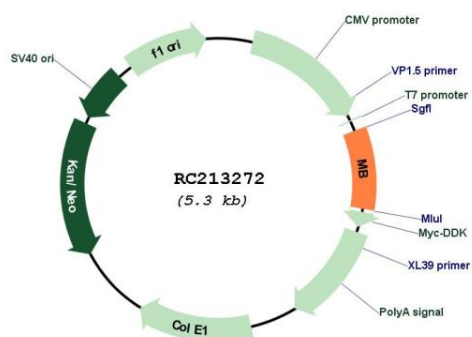
Restriction Sites: SgfI-MluI

Cloning Scheme:

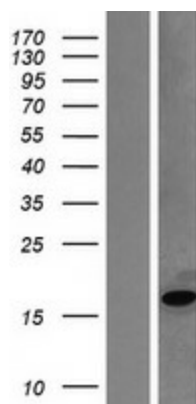


Locus ID:	4151
UniProt ID:	P02144
Cytogenetics:	22q12.3
MW:	17.2 kDa
Gene Summary:	This gene encodes a member of the globin superfamily and is predominantly expressed in skeletal and cardiac muscles. The encoded protein forms a monomeric globular haemoprotein that is primarily responsible for the storage and facilitated transfer of oxygen from the cell membrane to the mitochondria. This protein also plays a role in regulating physiological levels of nitric oxide. Multiple transcript variants encoding distinct isoforms exist for this gene. [provided by RefSeq, May 2020]

Product images:



Circular map for RC213272



Western blot validation of overexpression lysate (Cat# [LY404319]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213272 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).