

Product datasheet for RC213272L3

OriGene Technologies, Inc.

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Myoglobin (MB) (NM_203377) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Myoglobin (MB) (NM_203377) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Myoglobin
Synonyms: PVALB

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

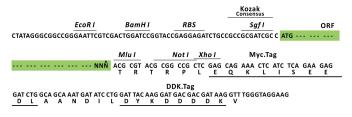
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC213272).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_203377

ORF Size: 462 bp



Myoglobin (MB) (NM_203377) Human Tagged Lenti ORF Clone - RC213272L3

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: <u>NM 203377.1</u>, <u>NP 976311.1</u>

4151

RefSeq Size:1170 bpRefSeq ORF:465 bp

UniProt ID: P02144

Locus ID:

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]