

Product datasheet for SC332295

MYH10 (NM_001256095) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MYH10 (NM_001256095) Human Untagged Clone
Tag: Tag Free
Symbol: MYH10
Synonyms: NMMHC-IIB; NMMHCB
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332295 representing NM_001256095.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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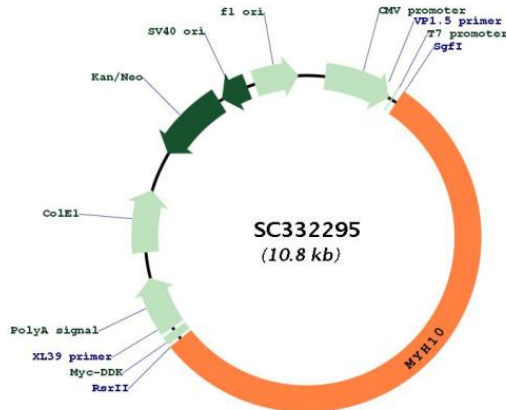
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Restriction Sites:

SgfI-RsrII

Plasmid Map:



ACCN:

NM_001256095

Insert Size:

5958 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001256095.1

RefSeq Size:

7712 bp

RefSeq ORF:

5958 bp

Locus ID: 4628

UniProt ID: [P35580](#)

Cytogenetics: 17p13.1

Protein Families: Druggable Genome

Protein Pathways: Regulation of actin cytoskeleton, Tight junction, Viral myocarditis

MW: 230 kDa

Gene Summary: This gene encodes a member of the myosin superfamily. The protein represents a conventional non-muscle myosin; it should not be confused with the unconventional myosin-10 (MYO10). Myosins are actin-dependent motor proteins with diverse functions including regulation of cytokinesis, cell motility, and cell polarity. Mutations in this gene have been associated with May-Hegglin anomaly and developmental defects in brain and heart. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region, and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.