

## Product datasheet for RC216078L4

#### OriGene Technologies, Inc.

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### Myosin IIIB (MYO3B) (NM\_001083615) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Myosin IIIB (MYO3B) (NM\_001083615) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Myosin IIIB

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC216078).

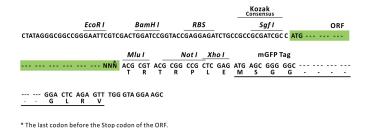
Sequence:

ACCN:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





NM\_001083615

ORF Size: 3942 bp



#### Myosin IIIB (MYO3B) (NM\_001083615) Human Tagged Lenti ORF Clone - RC216078L4

**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.

Druggable Genome, Protein Kinase

RefSeq: <u>NM 001083615.1</u>

 RefSeq Size:
 5448 bp

 RefSeq ORF:
 3945 bp

 Locus ID:
 140469

 UniProt ID:
 Q8WXR4

Cytogenetics: 2q31.1

Protein Families: Druggable Ge

**MW:** 148.4 kDa

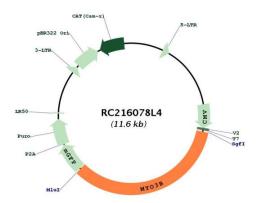
**Gene Summary:** This gene encodes one of the class III myosins. Myosins are ATPases, activated by actin, that

move along actin filaments in the cell. This class of myosins are characterized by an aminoterminal kinase domain and shown to be present in photoreceptors. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar

2014]



# **Product images:**



Circular map for RC216078L4