

Product datasheet for **RC221487**

Myosin 18B (MYO18B) (NM_032608) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myosin 18B (MYO18B) (NM_032608) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myosin 18B
Synonyms:	KFS4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221487 representing NM_032608 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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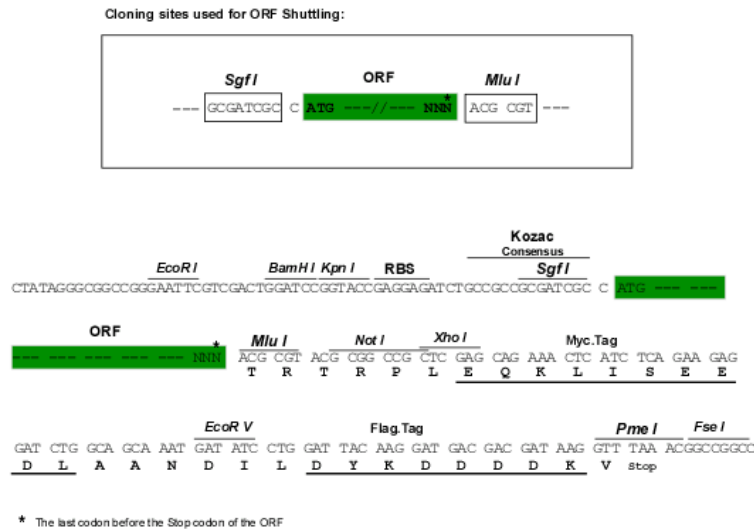
Protein Sequence: >RC221487 representing NM_032608
 Red=Cloning site Green=Tags(s)

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Chromatograms: https://cdn.origene.com/chromatograms/mg8005_g12.zip
Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_032608

ORF Size: 7701 bp

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032608.7](#)

RefSeq Size: 8565 bp

RefSeq ORF: 7704 bp

Locus ID: 84700

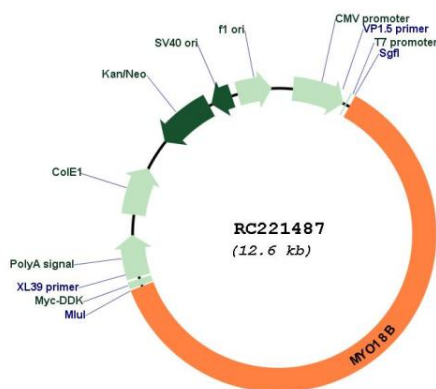
UniProt ID: [Q8IUG5](#)

Cytogenetics: 22q12.1

MW: 285 kDa

Gene Summary: The protein encoded by this gene may regulate muscle-specific genes when in the nucleus and may influence intracellular trafficking when in the cytoplasm. The encoded protein functions as a homodimer and may interact with F actin. Mutations in this gene are associated with lung cancer. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC221487