

Product datasheet for **MG205765**

Mbnl2 (BC075665) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mbnl2 (BC075665) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mbnl2
Synonyms:	MBLL, mKIAA4072
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205765 representing BC075665 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCCTTGAACGTTGCCCCGTGAGAGACACAAAGTGGCTGACGCTGGAGGTCTGCAGACAGTACCAGA
GAGGAACGTGCTCAGCTCCGACGAAGAATGCAAGTTTGCTCACCCCCCAAAGTTGCCAGGTTGAAAA
TGAAGAGTAATTGCCTGCTTTGATTCCCTCAAGGGCCGCTGTTCAAGAGAGAACTGCAAAATATCTTCAT
CCTCCGACACACTTAAAAACCCAGCTAGAGATTAATGGGAGGAACAATTTGATCCAGCAAAAACTGCAG
CAGCGATGCTTGCCAGCAGATGCAATTTATGTTTCCAGGAACGCCGCTCCATCCTGTGCCACTTTTCC
TGTAGGTCCCACCATAGGACAAATGCGGCTATTAGCTTTGCTCCTTACTTAGCGCTGTACCCCTGGA
GTTGGGTAGTCCCAACAGAGGTTCTACCCACTACACCGGTCATTGTTCCCGGAAGTCCACCGGTCACTG
TCCCGGGCTCAACTGCAACTCAGAACTTCTCAGGACTGATAAACTGGAGGTATGCAGGGAGTTCAGCG
AGGAACTGTGCCGGGGAGAGACAGACTGCCGCTTTCACACCCGGCAGACAGCACCATGATCGACACA
AACGACAACACCGTAACCGTTTGTATGGATTACATAAAGGGCGTTGCATGAGGGAGAAATGCAAAATATT
TTCACCTCCTGCACACTTGCCAGGCCAAATCAAAGCTGCGCAGCACCAAGCCAACCGCCGCGGTGGC
CGCCAGGCAGCCGCGGCCGCGCCACAGTCATGACTCAGTCGACTGCCAAAGCACTGAAGCGACCTCTC
GAAGCAACTGTAGACCTGGCCTTCCCTCCGGGTGCTCTTCATCCCTTACCAAAGAGACAAGCACTTGAAA
AAAGCAACGGGGCCAGCACGGTCTTCAACCCAGCGTCTTGCACTACCAGCAGGCTCTGACCACTGCGCA
GCTGCAGCAGCACAGCGGTTTCATCCCCACAGTACCCATGATGCACAGCGCTACGTCCGCCACTGTCTCT
GCAGCAACAACCTCTGCAACAAGTGTCCCTTCGAGCAACAGCCACAGCCAATCAGATAATTCTGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG205765 representing BC075665
 Red=Cloning site Green=Tags(s)

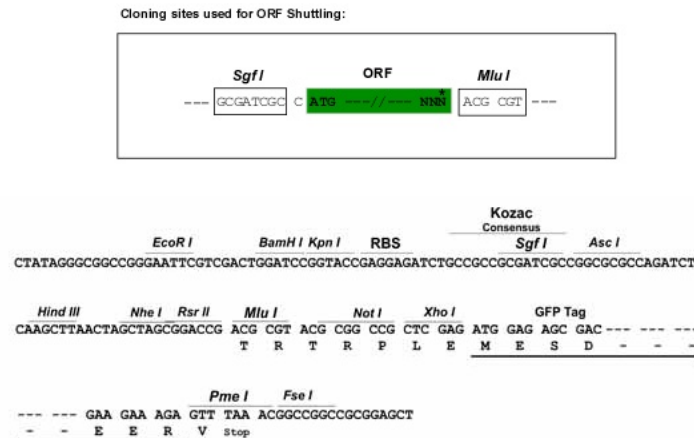
MALNVAPVRDTKWL TLEVC RQYQRGTC SRSD EECKFAHPPKSCQVENGRVIACFDSLKGRC SRENCKYLH
 PPTH LKTQLE INGRNNLIQQKTA AMLAQMQFMFPGTPLHPVPTFPVGP TIGTNA AISFAPYLAPVTPG
 VGLVPT EVLPTTPVIVPGSPPTVP GSTATQKLLRTDKLEVCRE FQRGNCARGETDCRF AHPADSTMIDT
 NDNTVTVCMDYIKGR CMREKCKYFHPPAHLQAKIAAQHQANQA AAVAAQAAAAAATVMTQSTAKALKRPL
 EATVDLAFPPGALHPLPKRQALEKSNGASTVFNP SVLHYQQAL TSAQLQQTAFIPTVPMH SATSATVS
 AATTPATSV PFAATATANQ IILK

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC075665

ORF Size: 1121 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.

RefSeq: [BC075665](#), [AAH75665](#)

RefSeq Size: 2099 bp

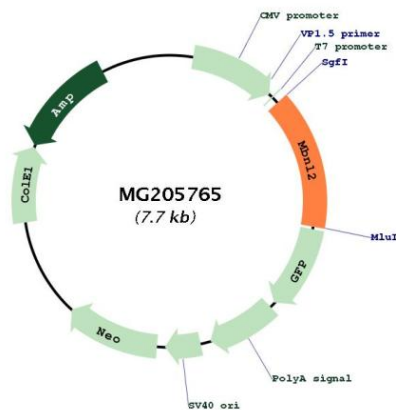
RefSeq ORF: 1121 bp

Locus ID: 105559

Cytogenetics: 14 E4

Gene Summary: Mediates pre-mRNA alternative splicing regulation. Acts either as activator or repressor of splicing on specific pre-mRNA targets. Inhibits cardiac troponin-T (TNNT2) pre-mRNA exon inclusion but induces insulin receptor (IR) pre-mRNA exon inclusion in muscle. Antagonizes the alternative splicing activity pattern of CELF proteins. RNA-binding protein that binds to 5'ACACCC-3' core sequence, termed zipcode, within the 3' UTR of ITGA3. Binds to CUG triplet repeat expansion in myotonic dystrophy muscle cells by sequestering the target RNAs. Seems to regulate expression and localization of ITGA3 by transporting it from the nucleus to cytoplasm at adhesion plaques. May play a role in myotonic dystrophy pathophysiology (DM) (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205765