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Product datasheet for SC308430

MBNL2 (NM_207304) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	MBNL2
Synonyms:	MBLL; MBLL39; PRO2032
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC308430 representing NM_207304.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTTGAACGTTGCCCCAGTCAGAGATACAAAATGGCTGACATTAGAAGTCTGCAGACAGTTTCAA
AGAGGAACATGCTCACGCTCTGATGAAGAATGCAAATTTGCTCATCCCCCCAAAAGTTGTCAGGTTGAA
AATGGAAGAGTAATTGCCTGCTTTGATTCCCTAAAGGGCCGTTGTTCGAGAGAGAACTGCAAGTATCTT
CACCCTCCGACACACTTAAAAACTCAACTAGAAATTAATGGAAGGAACAATTTGATTCAGCAAAAAACT
GCAGCAGCAATGCTTGCCCAGCAGATGCAATTTATGTTTCCAGGAACACCACTTCATCCAGTGCCCACT
TTCCCTGTAGGTCCCGCGATAGGGACAAATACGGCTATTAGCTTTGCTCCTTACCTAGCACCTGTAACC
CCTGGAGTTGGGTTGGTCCCAACGGAAATTCTGCCCACCACGCCTGTTATTGTTCCCGGAAGTCCACCG
GTCACTGTCCCGGGCTCAACTGCAACTCAGAAACTTCTCAGGACTGACAAACTGGAGGTATGCAGGGAG
TTCCAGCGAGGAAACTGTGCCCGGGGAGAGACCGACTGCCGCTTTGCACACCCCGCAGACAGCACCATG
ATCGACACAAGTGACAACACCGTAACCGTTTGTATGGATTACATAAAGGGGCGTTGCATGAGGGAGAAA
TGCAAATATTTTCACCCTCCTGCACACTTGCAGGCCAAAATCAAAGCTGCGCAGCACCAAGCCAACCAA
GCTGCGGTGGCCGCCCAGGCAGCCGCGGCCGCGGCCACAGTCATGGCCTTTCCCCCTGGTGCTCTTCAT
CCTTTACCAAAGAGACAAGCACTTGAAAAAAGCAATGGTACCAGCGCGGTCTTTAACCCCAGCGTCTTG
CACTACCAGCAGGCTCTCACCAGCGCACAGTTGCAGCAACACGCCGCGTTCATTCCAACAGATAATTCT
GAAATAATCAGCAGAAACGGAATGGAATGCCAAGAATCTGCATTGAGAATAACTAAACATTGTTACTGT
ACATACTATCCTGTTTCCTCCTCAATAGAATTGCCACAAACTGCATGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_207304

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Insert Size:	1086 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_207304.2
RefSeq Size:	4624 bp
RefSeq ORF:	1086 bp
Locus ID:	10150
UniProt ID:	Q5VZF2
Cytogenetics:	13q32.1
Protein Families:	Transcription Factors
MW:	39.4 kDa

Gene Summary: This gene is a member of the muscleblind protein family which was initially described in Drosophila melanogaster. This gene encodes a C3H-type zinc finger protein that modulates alternative splicing of pre-mRNAs. Muscleblind proteins bind specifically to expanded dsCUG RNA but not to normal size CUG repeats and may thereby play a role in the pathophysiology of myotonic dystrophy. Several alternatively spliced transcript variants have been described but the full-length natures of only some have been determined. [provided by RefSeq, Mar 2012] Transcript Variant: This variant (3) lacks two exons in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 3 which has a shorter and distinct C-terminus compared to isoform 1.