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Product datasheet for SC310487

MEF2B (BORCS8-MEF2B) (NM_005919) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEF2B (BORCS8-MEF2B) (NM_005919) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEF2B
Synonyms:	LOC729991-MEF2B; MEF2B; MEF2BNB-MEF2B; RSRFR2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_005919 edited CATCAGCATCCGGGACCATATGAATGCCAGTGCCCAGGGCCACAGCCCGGAGGAACCACC CCCGCCCTCCTCAGCCTGATCCTGGAAGAGACTCGGGGCCCCCCAGCCTCCGCCAACCCA GACAAAGATCATTCCACTCAGCCTGGGACGATGGGGAGGAAAAAAATCCAGATCTCCCGC ATCCTGGACCAAAGGAATCGGCAGGTGACGTTCACCAAGCGGAAGTTCGGGCTGATGAAG AAGGCCTATGAGCTGAGCGTGCTCTGTGACTGTGAGATAGCCCTCATCATCTTCAACAGC GCCAACCGCCTCTTCCAGTATGCCAGCACGGACATGGACCGTGTGCTGCTGAAGTACACA GAGTACAGCGAGCCCCACGAGAGCCGCACCAACACTGACATCCTCGAGACGCTGAAGCGG AGGGGCATTGGCCTCGATGGGCCAGAGCTGGAGCCGGATGAAGGGCCTGAGGAGCCAGGA GAGAAGTTTCGGAGGCTGGCAGGCGAAGGGGGTGATCCGGCCTTGCCCCGACCCCGGCTG TATCCTGCAGCTCCTGCTATGCCCAGCCCAGATGTGGTATACGGGGCCTTACCGCCACCA GGCTGTGACCCCAGTGGGCTTGGGGAAGCACTGCCCGCCCAGAGCCGCCCATCTCCCTTC CGACCAGCAGCCCCCAAAGCCGGGCCCCCAGGCCTGGTGCACCCTCTCTTCTCACCAAGC CACCTCACCAGCAAGACACCACCCCCACTGTACCTGCCGACGGAAGGGCGGAGGTCAGAC CTGCCTGGTGGCCTGGCTGGGCCCCGAGGGGGACTAAACACCTCCAGAAGCCTCTACAGT GGCCTGCAGAACCCCTGCTCCACTGCAACTCCCGGACCCCCACTGGGGAGCTTCCCCTTC CTCCCCGGAGGCCCCCCAGTGGGGGCCGAAGCCTGGGCGAGGAGGGTCCCCCAACCCGCG GCGCCTCCCCGCCGACCCCCCCAGTCAGCATCAAGTCTGAGCGCCTCTCTCCGGCCCCCG GGGGCCCCGGCGACTTTCCTAAGACCTTCCCCTATCCCTTGCTCCTCGCCCGGTCCCTGG CAGAGCCTCTGCGGCCTGGGCCCGCCCTGCGCCGGCTGCCCTTGGCCGACGGCTGGCCCC GGTAGGAGATCACCCGGTGGCACCAGCCCAGAGCGCTCGCCAGGTACGGCGAGGGCACGT GGGGACCCCACCTCCCTCCAGGCCTCTTCAGAGAAGACCCAACAGTGACGCCCCCCTCCG CGGTGGGGGCTTGGAGGTGGGCGGCTGGACTCAATCCACCCTGGGGGGCTCCTTTCCTTC TTCCTATTTGTGTGTATATCCACAAATAAAACGCGCGT
Restriction Sites:	Please inquire

View online »

ACCN:	NM_005919
Insert Size:	1300 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_005919.1.
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_005919.1, NP_005910.1
RefSeq Size:	1671 bp
RefSeq ORF:	1098 bp
Locus ID:	4207
UniProt ID:	Q02080
Cytogenetics:	19p13.11
Domains:	MADS
Protein Families:	Transcription Factors

Gene Summary:

This gene represents numerous read-through transcripts that span GeneID:729991 and 100271849. Many read-through transcripts are predicted to be nonsense-mediated decay (NMD) candidates, and are thought to be non-coding. Some transcripts are predicted to be capable of translation reinitiation at a downstream AUG, resulting in expression of at least one isoform of myocyte enhancer factor 2B (MEF2B) from this read-through locus. At least one additional MEF2B variant and isoform can be expressed from a downstream promoter, and is annotated on GeneID:100271849. [provided by RefSeq, Oct 2010]
Transcript Variant: This variant (1) lacks two alternate exons in the 5' region and one alternate exon in the 3' region, compared to variant 2. This variant is thought to be protein coding because translation can reinitiate at the downstream AUG, resulting in expression of an isoform of MEF2B (geneID:100271849). Isoform b has a shorter and distinct C-terminus, compared to MEF2A isoform a (NP_001139257.1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.