

## Product datasheet for **SC105970**

### MBNL1 (AF395876) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MBNL1 (AF395876) Human Untagged Clone
Tag:	Tag Free
Symbol:	MBNL1
Synonyms:	EXP; MBNL
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AF395876, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGTTAGTGTACACCAATTCGGGACACAAAATGGCTAACACTGGAAGTATGTAGAGAGTTCAGAG
GGGGGACTTGCTCACGGCCAGACACGGAATGTAATTTGCACATCCTTCGAAAAGCTGCCAAGTTGAAAA
TGGACGAGTAATCGCTGCTTTGATTTCATTGAAAGGCCGTTGCTCCAGGGAGAACTGCAAAATATCTTCAT
CCACCCACATTTAAAAACGCAGTTGGAGATAAATGGACGCAATAACTTGATTCAGCAGAAGAATATGG
CCATGTTGGCCAGCAAATGCAACTAGCCAATGCCATGATGCCTGGTGCCCATACAACCCGTGGTATG
TCGAGAGTACCAACGTGGCAATTGCAACCGAGGAGAAAATGATTGTCGGTTTGCTCATCCTGCTGACAGC
ACAATGATTGACACCAATGACAACACAGTCACTGTGTGTATGGATTACATCAAAGGGAGATGCTCTCGGG
AAAAGTGCAATACTTTTCATCCCCCTGCACATTTGCAAGCCAAGATCAAGGCTGCCCAATACCAGGTCAA
CCAGGCTGCAGCTGCACAGGCTGCAGCCACCGCAGCTGCCATGGGAATTCCTCAAGCTGTACTTCCCCCA
TTACCAAAGAGGCCTGCTCTTGA AAAAACAACGGTGCCACCGCAGTCTTAACACTGGTATTTTCCAAT
ACCAACAGGCTTAGCCAACATGCAGTTACAACAGCATAACAGCATTCTCCCACCGGCTCAATATTGTG
CATGACACCCGCTACAAGTGTGTTCCCATGGTGCACGGTGCTACGCCAGCCACTGTGTCCGCAGCAACA
ACATCTGCCACAAGTGTCCCTTCGCTGCAACAGCCACAGCCAACCCAGATACCCATAATATCTGCCGAAC
ATCTGACTAGCCACAAGTATGTTACCCAGATGTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for AF395876 unedited CAATTGTATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGTTTGGNGCTCCAAA TTGGCACTGGGAAGGGTTACTGAGAGCACAAGGCTGATACCAGGCCCTACTTTTAAACG TTCATCTACTTACAATCCTAGTATTTCTCTAAAAACAAAACCTCTTTGAATTAACAGTT TCATGCTGTGAATTTCTAGTGGGAGATCTTTTCTTGTATTGACGACACAATTTTCCAT GTACTTTTTAAAGCAGGGAGTGGGAAAAGTATTTTGGGGGACATTTTCATCATCAGTTC AGCTTTTTTTTTTGGTTGTTGCTTTTTTGGGGGGTTGGGTTTGTGGTTTCACTGA AACATTTAACTACCTGTAAAATCTAAACATGGCTGTTAGTGTACACCAATTCGGGACAC AAAATGGCTAACACTGGAAGTATGTAGAGAGTTCCAGAGGGGACTTGCTCACGGCCAGA CACGGAATGTAAATTTGCACATCCTTCGAAAAGCTGCCAAGTTGAAAATGGACGAGTAAT CGCCTGCTTTGATTCAATTGAAAGCCGTTGCTCCAGGGAGAAGCTGCAAATATCTTCATCC ACCCCCACATTTAAAACGCAGTTGGAGATAAATGGACGCAATAACTTGATTCAGCAGAA GAACATGGCCATGTTGGCCAGCAAATGCAACTAGCCAATGCCATGATGCCTGGTGCCCC ATTACAACCCGTCCAATGTTTTAGTTGCACCAAGCTTAGCCACCAATGCATCAGCAGC CGCCTTTAATCCCCTATCTGGACCTGTTTCTCAAGCCTGGTCCCGCAGAGATCTGCCGAC TGCACCATGNTGTTACAGGGAATCCGGTNTCCTGTACTGCACTGCTGAGCTGCTGACAG AATTATGCGACAGACGACTGAGTATGTCAGAGTACAACGTGCCATGCACCCAGAGAAAGA TGTCGTTTGCTATCTGTGCAGACATGATG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AF395876
<b>Insert Size:</b>	2750 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">AF395876.1</a> , <a href="#">AAK82889.1</a>
<b>RefSeq Size:</b>	945 bp
<b>RefSeq ORF:</b>	945 bp
<b>Locus ID:</b>	4154
<b>Cytogenetics:</b>	3q25.1-q25.2
<b>Domains:</b>	zf-CCCH

**Gene Summary:**

This gene encodes a member of the muscleblind protein family which was initially described in *Drosophila melanogaster*. The encoded protein is 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. Mice lacking this gene exhibited muscle abnormalities and cataracts. Several alternatively spliced transcript variants have been described but the full-length natures of only some have been determined. The different isoforms are thought to have different binding specificities and/or splicing activities. [provided by RefSeq, Sep 2015]