

## Product datasheet for **RG216093**

### **MBNL3 (NM\_133486) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MBNL3 (NM\_133486) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** MBNL3  
**Synonyms:** CHCR; MBLX; MBLX39; MBXL  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG216093 representing NM\_133486  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGGCTGTCAATGTTGCCCTGATTCGTGATACCAAGTGGCTGACTTTAGAAGTCTGTAGAGAATTTCC  
AGAGAGGAACTTGCTCTCGAGCTGATGCAGATTGCAAGTTTGCCCATCCACCAAGAGTTTGCCATGTGGA  
AAATGGTCGTGTGGTGGCCTGTTTTGATTCTCTAAAGGGTCGGTGTACCCGAGAGAAGTCAAGTACCTT  
CACCTCCTCCACTTAAAAACGCAGCTGGAGATTAATGGCGGAACAATCTGATTCAACAGAAGACTG  
CCGAGCCATGTTGCCAGCAGATGCAGCTTATGCTCCAAAACGCTCAAATGTCATCACTTGGTTCTTT  
TCCTATGACTCCATCAATTCCAGCTAATCCTCCCATGGCTTTCAATCCTTACATACCACATCCTGGGATG  
GGCCTCGTTCCTGCAGAACTTGTACAAATACACCTGTTCTGATTCTGAAACCCACTTGTGCAATGC  
CAGGAGCTGTTGGCCAAAACCTGATGCGTTCAGATAAACTGGAGGTTTGCCGAGAATTTACAGCGTGGAAA  
TTGTACCCGTGGGGAGAATGATTGCCGCTATGCTCACCTACTGATGCTTCCATGATTGAAGCGAGTGAT  
AATACTGTGACAATCTGCATGGATTACATCAAAGTTCGATGCTCGCGGGAGAATGCAAGTACTTTCATC  
CTCCTGCACACTTGAAGCCAGACTCAAGGCAGCTCATCATCAGATGAACCATTAGCTGCCTCTGCCAT  
GGCTCTGACTAACCTGCAGCTCCACAGCCGGCATTATCCCTGCAGGGCCAATACTGTGCATGGCACCC  
GCTTCAAATATTGTGCCATGATGCACGGTGTACACCTACCCTGTGTCTGCAGCAACAACACCTGCCA  
CCAGCGTTCGGTTCGCTGCACCAACTACAGGCAATCAGATACCCCAATTATCAATAGATGAAGTGAATAG  
CAGCATGTTTGTTCACAGATG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG216093 representing NM\_133486  
 Red=Cloning site Green=Tags(s)

MTAVNVALIRDTKWLTLEVCREFQRGTCSRADADCKFAHPPRVCHVENGRVVACFDSLKGRCTRENCKYL  
 HPPPHLKTQLEINGRNNLIQQKTAAMFAQQMQLMLQNAQMSSLGSPMTPSIPANPPMAFNPIPHPGM  
 GLVPAELVPNTPLVIPGNPPLAMPGAVGPKLMRSDKLEVCREFQRGNCTRGENDCRYAHPTDASMI EASD  
 NTVTICMDYIKGRCSREKCKYFHPPAHLQARLKAHHQMNHSAASAMALTNLQLPQPAFIPAGPILCMAP  
 ASNIVPMMHGATPTTVSAATTPATSVPF AAPT TGNQIQLSIDELNSSMFVSQM

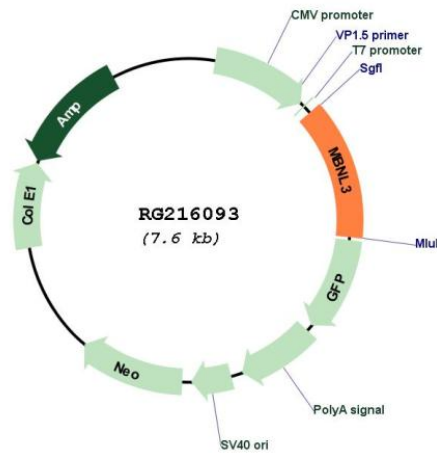
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_133486

**ORF Size:** 1002 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">NM_133486.2</a> , <a href="#">NP_597846.1</a>
<b>RefSeq Size:</b>	1575 bp
<b>RefSeq ORF:</b>	1005 bp
<b>Locus ID:</b>	55796
<b>UniProt ID:</b>	<a href="#">Q9NUK0</a>
<b>Cytogenetics:</b>	Xq26.2
<b>Gene Summary:</b>	This gene encodes a member of the muscleblind-like family of proteins. The encoded protein may function in regulation of alternative splicing and may play a role in the pathophysiology of myotonic dystrophy. Alternatively spliced transcript variants have been described. [provided by RefSeq, Dec 2009]