

## Product datasheet for **RG216043**

### **MBNL3 (NM\_018388) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MBNL3 (NM_018388) 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:	>RG216043 representing NM_018388 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGGCTGTCAATGTTGCCCTGATTCGTGATACCAAGTGGCTGACTTTAGAAGTCTGTAGAGAATTTCC  
AGAGAGGAACTTGCTCTCGAGCTGATGCAGATTGCAAGTTTGCCCATCCACCAAGAGTTTGCCATGTGGA  
AAATGGTCGTGTGGTGGCCTGTTTTGATTCTCTAAAGGGTCGGTGTACCCGAGAGAAGTCAAGTACCTT  
CACCTCCTCCACTTAAAAACGCAGCTGGAGATTAATGGCGGAACAATCTGATTCAACAGAAGACTG  
CCGCAGCCATGTTGCCAGCAGATGCAGCTTATGCTCCAAAACGCTCAAATGTCATCATTGGTTCTTT  
TCCTATGACTCCATCAATTCCAGCTAATCCTCCCATGGCTTTCAATCCTTACATACCACATCCTGGGATG  
GGCCTCGTTCCTGCAGAACTGTACAAATACACCTGTTCTGATTCTGGAAACCCACTCTTGCAATGC  
CAGGAGCTGTTGGCCAAAACCTGATGCGTTTCAGATAAACTGGAGGTTTGCCGAGAATTTACAGCGTGGAAA  
TTGTACCCGTGGGGAGAATGATTGCCGCTATGCTCACCTACTGATGCTTCCATGATTGAAGCGAGTGAT  
AATACTGTGACAATCTGCATGGATTACATCAAAGTTCGATGCTCGCGGGAGAATGCAAGTACTTTTCATC  
CTCCTGCACACTGCAAGCCAGACTCAAGGCAGCTCATCATCAGATGAACCATTAGCTGCCTCTGCCAT  
GGCCCTGCAGCCTGGTACACTGCAACTGATACCAAAGAGATCAGCACTGGAAAAGCCCAATGGTGCCACC  
CCGGTCTTTAATCCACTGTTTTCCACTGCCAACAGGCTCTGACTAACCTGCAGCTCCCACAGCCGGCAT  
TTATCCCTGCAGGGCAATACTGTGCATGGCACCCGCTTCAAATATTGTGCCCATGATGCACGGTGTCTAC  
ACCTACCACTGTGTCTGCAGCAACAACCTGCCACCAGCGTTCCGTTTCGCTGCACCAACTACAGGCAAT  
CAGCTGAAATTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG216043 representing NM\_018388  
 Red=Cloning site Green=Tags(s)

MTAVNVALIRDTKWLTLEVCREFQRGTCSRADADCKFAHPPRVCHVENGRVVACFDSLKGRCTRENCKYL  
 HPPPHLKTQLEINGRNNLIQQKTAAMFAQQMQLMLQNAQMSSLGSPMTPSIPANPPMAFNPIPHPGM  
 GLVPAELVPNTPVLIPGNPPLAMPGAVGPKLMRSDKLEVCREFQRGNCTRGENDCRYAHPTDASMI EASD  
 NTVTICMDYIKGRCSREKCKYFHPPAHLQARLKAHHQMNHSAASAMALQPGTLQLIPKRSALEKPNGAT  
 PVFNPTVFHCQQALTNLQLPQPAFIPAGPILCMAPASNI VPMMHGATPTT VSAATTPATSV PFAAPT TGN  
 QLK F

TRTRPLE - GFP Tag - V

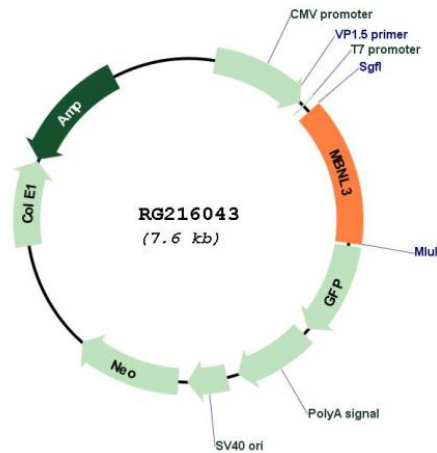
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_018388

<b>ORF Size:</b>	1062 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_018388.3</a> , <a href="#">NP_060858.2</a>
<b>RefSeq Size:</b>	2701 bp
<b>RefSeq ORF:</b>	1065 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]