

## Product datasheet for **RC229779**

### **MBNL3 (NM\_001170704) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MBNL3 (NM\_001170704) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** MBNL3  
**Synonyms:** CHCR; MBLX; MBLX39; MBXL  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC229779 representing NM\_001170704  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGCGCCAGCAGATGCAGCTTATGCTCCAAAACGCTCAAATGTCATCACTTGGTTCTTTTCCTATGA  
CTCCATCAATCCAGCTAATCCTCCCATGGCTTCAATCCTTACATACCACATCCTGGGATGGGCCTCGT  
TCCTGCAGAACTGTACCAAATACACCTGTTCTGATTCTGGAAACCCACCTCTTGCAATGCCAGGAGCT  
GTTGGCCAAAACCTGATGCGTTCAGATAAACTGGAGGTTTGCCGAGAATTCAGCGTGAAATTGTACCC  
GTGGGGAGAATGATTGCCGCTATGCTCACCTACTGATGCTTCCATGATTGAAGCGAGTGATAACTGT  
GACAATCTGCATGGATTACATCAAAGGTCGATGCTCGCGGGAGAAATGCAAGTACTTTCATCCTCCTGCA  
CACTTGCAAGCCAGACTCAAGGCAGCTCATCATCAGATGAACCATTTCAGCTGCCTCTGCCATGGCCCTGC  
AGCCTGGTACACTGCAACTGATACCAAAGAGATCAGCACTGGAAGCCCAATGGTGCCACCCCGGTCTT  
TAATCCCCTGTTTTCCACTGCCAACAGGCTCTGACTAACCTGCAGCTCCACAGCCGGCATTATCCCT  
GCAGGGCCAATACTGTGCATGGCACCCGCTTCAAATATTGTGCCCATGATGCACGGTGCTACACCTACCA  
CTGTGCTGCAGCAACAACCTGCCACCAGCGTTCGGTTCGCTGCACCAACTACAGGCAATCAGCTGAA  
ATTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC229779 representing NM\_001170704  
Red=Cloning site Green=Tags(s)

MFAQQMQLMLQNAQMSSLSGSPMTPSIPANPPMAFNPIPHPGMGLVPAELVPNTPVLIPGNPLAMPGA  
 VGPKLMRSDKLEVCREFQRGNCTRGENDCRYAHPTDASMIASDNTVTICMDYIKGRCSREKCKYFHPPA  
 HLQARLKAHHQMNHSAASAMALQPGTLQLIPKRSALEKPNGATPVFNPTVFHCQQALTNLQLPQAFIP  
 AGPILCMAPASNIVPMMHGATPTTVSAATTPATSVPF AAPTTGNQLKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_001170704

**ORF Size:** 774 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001170704.2](#)

**RefSeq Size:** 11539 bp

**RefSeq ORF:** 777 bp

**Locus ID:** 55796

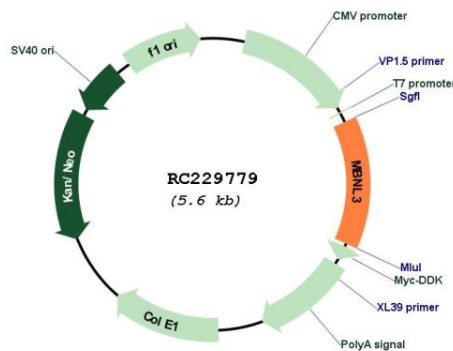
**UniProt ID:** [Q9NUK0](#)

**Cytogenetics:** Xq26.2

**MW:** 27.7 kDa

**Gene Summary:** 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]

### Product images:



Circular map for RC229779