

Product datasheet for **RG229778**

MBNL3 (NM_001170703) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MBNL3 (NM_001170703) 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:	>RG229778 representing NM_001170703 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCGCCAGCAGATGCAGCTTATGCTCCAAAACGCTCAAATGTCATCACTTGGTTCTTTTCCTATGA
CTCCATCAATCCAGCTAATCCTCCCATGGCTTCAATCCTTACATACCACATCCTGGGATGGGCCTCGT
TCCTGCAGAACTGTACCAAATACACCTGTTCTGATTCTGGAAACCCACCTCTTGAATGCCAGGAGCT
GTTGGCCAAAACCTGATGCGTTCAGATAAACTGGAGGTTTCCGAGAATTCAGCGTGAAATTGTACCC
GTGGGGAGAATGATTGCCGCTATGCTCACCTACTGATGTTCCATGATTGAAGCGAGTGATAACTACTGT
GACAATCTGCATGGATTACATCAAAGGTCGATGCTCGCGGGAGAAATGCAAGTACTTTCATCCTCCTGCA
CACTTGCAAGCCAGACTCAAGGCAGCTCATCATCAGATGAACCATTTCAGCTGCCTCTGCCATGGCCCTGC
AGCCTGGTACACTGCAACTGATACCAAAGAGATCAGCACTGGAAAAGCCCAATGGTGCCACCCCGGTCTT
TAATCCCCTGTTTTCCACTGCCAACAGGCTCTGACTAACCTGCAGCTCCACAGCCGGCATTATCCCT
GCAGGGCCAATACTGTGCATGGCACCCGCTTCAAATATTGTGCCCATGATGCACGGTGCTACACCTACCA
CTGTGCTGCAGCAACAACCTGCCACCAGCGTTCGGTTCGCTGCACCAACTACAGGCAATCAGCTGAA
ATTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229778 representing NM_001170703
 Red=Cloning site Green=Tags(s)

MFAQQMQLMLQNAQMSSLSGSPMTPSIPANPPMAFNPIPHPGMGLVPAELVPNTPLVLPGNPPLAMPGA
 VGPKLMRSKLEVCREFQRGNCTRGENDCRYAHTDASMIASDNTVTICMDYIKGRCSREKCKYFHPPA
 HLQARLKAHHQMNHSAASAMALQPGTLQLIPKRSALEKPNGATPVFNPTVFHCQALTNLQLPQPAFIP
 AGPILCMAPASNIVPMMHGATPTTVSAATTPATSVPF AAPTTGNQLKF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001170703

ORF Size: 777 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_001170703.1](#), [NP_001164174.1](#)

RefSeq Size: 11272 bp

RefSeq ORF: 777 bp

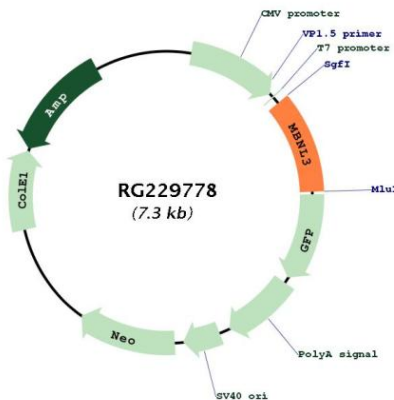
Locus ID: 55796

UniProt ID: [Q9NUK0](#)

Cytogenetics: Xq26.2

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 RG229778