

Product datasheet for **RG229854**

MBNL3 (NM_001170701) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MBNL3 (NM_001170701) 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:	>RG229854 representing NM_001170701 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGGGCTTCTAAGAATCTTAAGGGTCGGTGTACCCGAGAGAACTGCAAGTACCTTACCCTCCTC
CACACTTAAAAACGCAGCTGGAGATTAATGGGCGGAACAATCTGATTCAACAGAAGACTGCCGCAGCCAT
GTTGCGCCAGCAGATGCAGCTTATGCTCCAAAACGCTCAAATGTCATCACTTGGTTCTTTTCCTATGACT
CCATCAATTCAGCTAATCCTCCATGGCTTTCAATCCTTACATACCACATCCTGGGATGGGCTCGTTC
CTGCAGAACTTGTACAAATACACCTGTTCTGATTCTGAAACCCACCTCTTGAATGCCAGGAGCTGT
TGGCCAAAACCTGATGCGTTTACATAAACTGGAGGTTTGGCGAGAATTCAGCGTGGAAATGTACCCGT
GGGAGAAATGATTGCCGCTATGCTCACCTACTGATGCTTCCATGATTGAAGCGAGTGATAACTGTGA
CAATCTGCATGGATTACATCAAAGGTCGATGCTCGCGGGAGAAATGCAAGTACTTTCATCCTCCTGCACA
CTTGCAAGCCAGACTCAAGGCAGCTCATCATCAGATGAACCATTAGCTGCCTCTGCCATGGCCCTGCAG
CCTGGTACACTGCAACTGATACCAAGAGATCAGCACTGGAAAAGCCCAATGGTGCCACCCCGGTCTTTA
ATCCCACTGTTTTCCACTGCCAACAGGCTCTGACTAACCTGCAGCTCCCACAGCCGGCATTATCCCTGC
AGGGCCAATACTGTGCATGGCACCCGCTTCAAATATTGTGCCATGATGCACGGTGCTACACCTACCACT
GTGTCTGCAGCAACAACCTGCCACCAGCGTTCCGTTTCGCTGCACCAACTACAGGCAATCAGTGAAAT
TC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229854 representing NM_001170701
 Red=Cloning site Green=Tags(s)

MERASKNLKGRCTRENCKYLHPPPHLKTQLEINGRNLIQKQTAAMFAQQMQLMLQNAQMSSLGSPFMT
 PSIPANPPMAFNPIPHPGMGLVPAELVPNTPVLIPGNPLAMPGAVGPKLMRSDKLEVCREFQRGNCTR
 GENDCRYAHPDASMI EASDNTVTICMDYIKGRCSREKCKYFHPPAHLQARLKAHHQMNHSAASAMALQ
 PGTLLQIPKRSALEKPNGATPVFNPTVFHCQQALTNLQLPQPAFIPAGPILCMAPASNIVPMMHGATPTT
 VSAATTPATSVPF AAPT TGNQLKF

TRTRPLE - GFP Tag - V

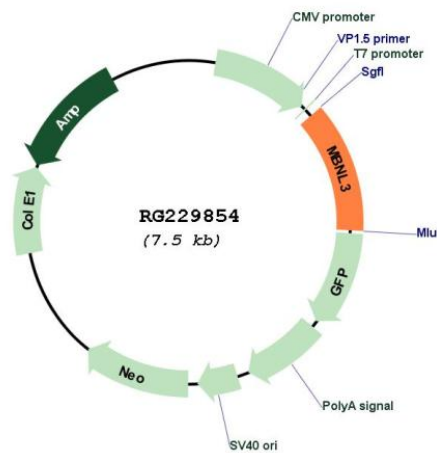
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001170701

ORF Size: 912 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:	<ol style="list-style-type: none"> 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_001170701.2
RefSeq Size:	11339 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]