

Product datasheet for **MG204838**

DIIBwg0517e (BC054403) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DIIBwg0517e
Synonyms:	Fox-3; Hrnbp3; NeuN; Neuna60
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG204838 representing BC054403
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGCCCGAGCCCTACCCCTGCCAGTACCCTCTCCGCCTCAGAATGGAATCCAGCTGAATATGCC
CACCTCCGCCTCATCCACCCAGGACTACTCCGGCCAGACCCTGTTCCTCCCGAGCACGGCATGACCT
CTACACACCCGCACAGACTCATCTGAGCAGCCAGGCACTGAGGCCAGCACAGCCATTGCTGGGACC
CAGACGGTGCCGAGGCAGATGAAGCAGCACAGACAGACAACCAGCAACTCCACCTTCCGACCCACGG
AGAAGCAGCAGCCAAACGACTACATGTCTCCAACATCCCCTTCCGGTTCAGGGACCCGACCTGCGGCA
AATGTTCCGGCAATTCCGGAAAATTTAGACGTGGAGATCATTTTTAACGAGCGGGGCTCCAAGGTCAAT
AATGCCACAGCCCGGTCATGACCAATAAGAAGCCTGGGAACCATATGCCAATGGCTGGAAGCTAAACC
CTGTGGTAGGAACAGTCTATGGCCTGAATTCTATGCAGTGACCAGTTTCCCTACCCACCCAGGGCAC
CGCCGTTGCCACCGGGTGACACCTGCGGGGCCGGGGCCGTGCTGTGTATAATACATTTGAGCTGCA
CCACCTCCACCCCATTCCTCACTTATGGAGCGGCACTGGAGCAACGCTTGTTAAATGCCAGTCCCGT
GGGCGGGCTGGCACCGTGCCCTCCCTCCTCAGCAGACACCGGAGCCGGCTACCCACCTCTCCAGC
GTTCCACCACTCTCTTGTCCTTTGCTTCCAGGTCGTATCAGGATGGATTTATGGTGCTGAGATT
TATGGAGGCTATGCAGTTACAGATATGCTCAGCCAGCAGCCGCCACCGCAGCAGCTACAGTGACAGTT
ATGGTAGAGTCTATGCCGCTGCTGATCCTTACCATCACACCATCGGCCCCAGCAACCTACAGCATCGG
AACCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



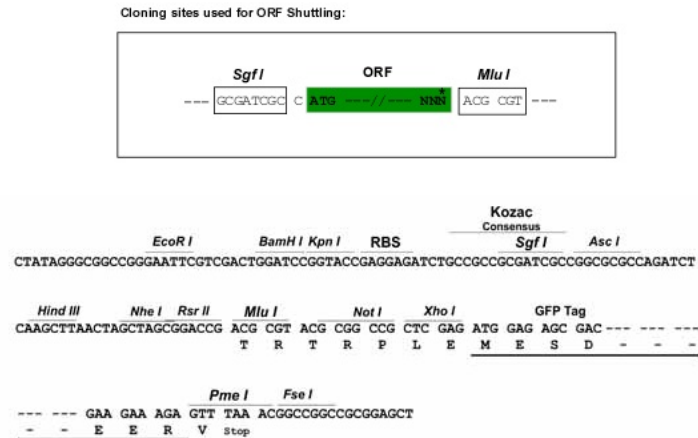
Protein Sequence: >MG204838 representing BC054403
 Red=Cloning site Green=Tags(s)

MAQPYPPAQYPPPPQNGIPAEYAPPPHPTQDYSQTPVPPEHGMTLYTPAQTHPEQPGTEASTQPIAGT
 QTVPPQADEAAQTDNQQLHPSDPTKQPKRLHVSNIPIFRFRDPLRQMGQFGKILDVEIIFNERGSKVN
 NATARVMTNKKPGNPYANGWKLNPVVGTVYGPEFYAVTSFPYPTTGTAVAYRGAHLRGRGRAVYNTFRAA
 PPPPIPTYGAALQTLVKMPVPWAGLAPCLPPQQTPEPAYPTSPAFFPLSCPFASRVVYQDGFYGAEI
 YGGYAAARYAQAAATAAAYSYSYGRVYAAADPYHHTIGPTATYSIGTM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC054403

ORF Size: 987 bp

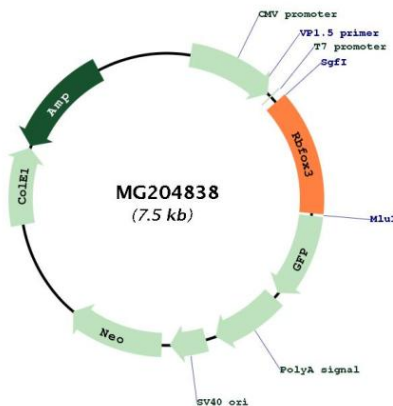
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC054403</u> , <u>AAH54403</u>
RefSeq Size:	1553 bp
RefSeq ORF:	989 bp
Locus ID:	52897
Cytogenetics:	11 83.22 cM
Gene Summary:	Pre-mRNA alternative splicing regulator. Regulates alternative splicing of RBFOX2 to enhance the production of mRNA species that are targeted for nonsense-mediated decay (NMD). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204838