

Product datasheet for **MR204838**

DIIBwg0517e (BC054403) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	DIIBwg0517e
Synonyms:	Fox-3; Hrnbp3; NeuN; Neuna60
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR204838 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCAGCCCTACCCCTGCCAGTACCCTCTCCGCCTCAGAATGGAATCCAGCTGAATATGCC
CACCTCCGCTCATCCACCCAGGACTACTCCGGCCAGACCCTGTCCCCCGAGCACGGCATGACCT
CTACACCCCGCAGACTCATCTGAGCAGCCAGGCACTGAGGCCAGCACAGCCATTGCTGGGACC
CAGACGGTGCCGAGGCAGATGAAGCAGCACAGACAGACAACCAGCACTCCACCTTCCGACCCACGG
AGAAGCAGCAGCCAAACGACTACATGTCTCCAACATCCCCTTCCGGTTCAGGGACCCGACCTGCGCCA
AATGTTCCGGCAATTCGGGAAAATTTAGACGTGGAGATCATTTTTAACGAGCGGGGCTCCAAGGTAAT
AATGCCACAGCCCGGTCATGACCAATAAGAAGCCTGGGAACCATATGCCAATGGCTGGAAGCTAAACC
CTGTGGTAGGAACAGTCTATGGCCTGAATTCTATGCAGTGACCAGTTTCCCCTACCCACCCAGGGCAC
CGCCGTTGCCACCGGGTGACACCTGCGGGGCCGGGGCCGTGCTGTGTATAATACATTTGAGCTGCA
CCACCTCCACCCCATTCCACTTATGGAGCGCACTGGAGCAACCGCTGTTAAATGCCAGTCCCGT
GGGCGGGGCTGGCACCGTGCCCTCCCTCCTCAGCAGACACCGGAGCCGGCTACCCACCTCTCCAGC
GTTCCCACTCTCTTGTCCGTTTGCTTCCAGGTCGTATCAGGATGGATTTATGGTGCTGAGATT
TATGGAGGCTATGCAGTTACAGATATGCTCAGCCAGCAGCCGCCACCGCAGCAGCTACAGTGACAGTT
ATGGTAGAGTCTATGCCGCTGCTGATCCTTACCATCACACCATCGGCCCCACAGCAACCTACAGCATCG
AACCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGAAATGATATCCTGGATT
ACAAGGATACGACGATAAGGTTTAA



Protein Sequence:

>MR204838 protein sequence
Red=Cloning site Green=Tags(s)

MAQPYPPAQYPPPPQNGIPAEYAPPPPHPTQDYSQTPVPPEHGMTLYTPAQTHPEQPGTEASTQPIAGT
QTPVQADEAAQTNDNQLHPSPTEKQPKRLHVSNIPIFRFDPLRQMFGQFGKILDVEIIFNERGSKVN
NATARYMTNKKPGNPYANGWKLNPVVGTVYGEFYAVTSFPYPTTGTAFAVYRG AHLRGRGRAVYNTFRAA
PPPPPIPTYGAALQLTKMPVPWAGLAPCLPPQQTPEPATYPTAPVPLSCPPASRVVYQDGFYGAIE
YGGYAAARYAQAATAAAYSDSYGRVYAAADPYHHTIGTPEATYSTGMT

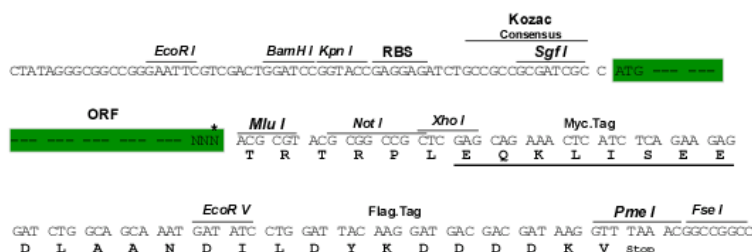
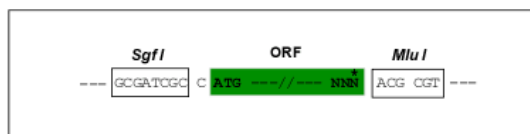
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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: [BC054403](#), [AAH54403](#)

RefSeq Size: 1553 bp

RefSeq ORF: 989 bp

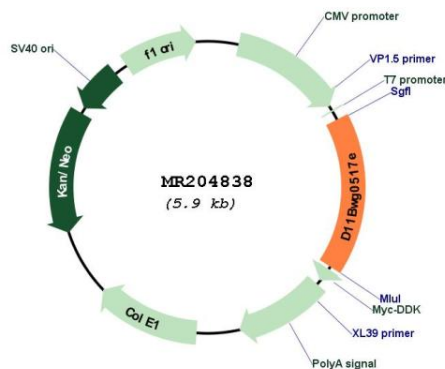
Locus ID: 52897

Cytogenetics: 11 83.22 cM

MW: 35.6 kDa

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 MR204838