

## Product datasheet for **MR225838**

### En2 (NM\_010134) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** En2 (NM\_010134) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** En2  
**Synonyms:** BB131122; En-2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR225838 representing NM\_010134  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAGAAGGATTCCAAGCCAGCGAGACGGCGGGAGGCGCAGAGACAGCCGGAACCCAGCTCCG  
GCGGCGGCTCTGGCGGGCAGCAGCCGAGCGACTCGGACACCGCCGCGGGGCTCTGATGCTGCC  
CGAGGTCTACAGGCGCCAGGCAACCACCAGCATCCACATCGCATCACCAACTTCTTCATCGATAACATC  
CTGCGGCCTGAGTTTGGCCGCCAAAGGACGCGGGGACTTGCTGTGCGGGCGGGCGGAGCCAGGGGAG  
GCGAAGGCGGCGCTGGCACTACCGAAGGAGGCGGGCGGCGCAGGCGGAGCCGAGCAGCTACTGGGCGC  
CAGGGAGTCCCGACCGAACCCAGCGTGGCACCAGCGCGGGAGGAACGCTCTCCGCCCGCTGGCGAC  
CCTGCGGTGCGACGGAGAAGGAGTTCCAAGACGCTATCACTTACGCGTGTGCCAAAAACCCGGCGATC  
CTGGGGGTTTCTTGATGGAGTGCTCAAAGCCGGGGCTTGGGCGGCGGTGACCTGTGCGGTGAGCTCCGA  
CTCGGACAGCTCTCAAGCCAGCGCCACTCTGGGCGCGCAGCCATGCTCTGGCCCGCTTGGGTCTACTGC  
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AGGACAAGCGGCTCGCACAGCCTTCACTGCTGAGCAGCTCCAGAGGCTCAAGGCTGAGTTTCAGACCAA  
CAGGTACCTGACAGAGCAGCGGCCAGAGTCTGGCACAGGAGCTCAGCCTGAACGAGTCTCAGATCAAG  
ATTTGGTTCCAGAACAAGCGGGCCAAAATCAAGAAAGCCAGGGCAACAAGAACAACCTTTGGCGGTGCACC  
TCATGGCACAGGGCCTGTACAACCATCCACCAGGCCAAGGAGGCAAGTCGGACAGCGAG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR225838 representing NM\_010134  
 Red=Cloning site Green=Tags(s)

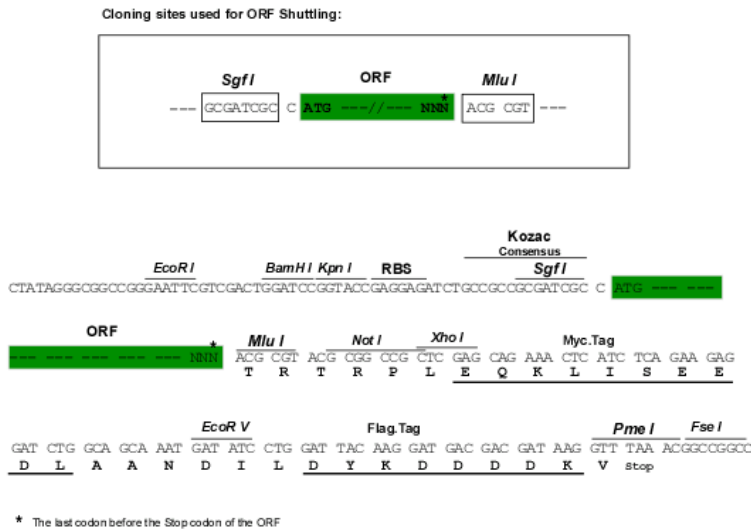
MEEKDSKPSETAAEAQRQPEPSSGGGSGGGSSPSDSDTGRRRALMLPEVLQAPGNHQHPRITNFFIDNI  
 LRPEFGRRKDAGTCCAGAGGARGGEGGAGTTEGGGGGAGGAEQLLGARES RPNPACAPSAGGTL SAAAGD  
 PAVDGE GSKT LSLHGGAKKPGDPGGSLDGV LKARGLGGGDL SVSDSDSSQASATLGAQPMLWPAWYIC  
 TRYSDRPSGPRSRKPKKKNPKNKEDKRPRTAFTAEQLQRLKAEFQTNRYL TEQRRQSLAQELSLNESQIK  
 IWFQNKRAIKKATGNKNTLAVHLMAQGLYNHSTTAKEGKSDSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9039\\_h09.zip](https://cdn.origene.com/chromatograms/mm9039_h09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010134

**ORF Size:** 972 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\\_010134.4](#)

**RefSeq Size:** 3537 bp

**RefSeq ORF:** 975 bp

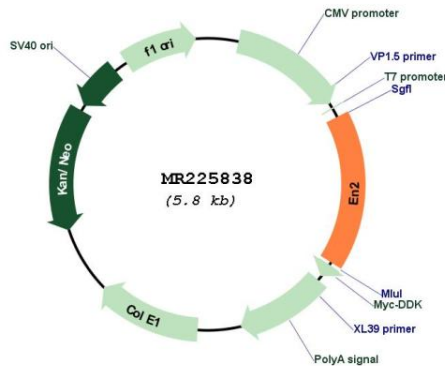
**Locus ID:** 13799

**UniProt ID:** [P09066](#)

**Cytogenetics:** 5 13.94 cM

**MW:** 34.3 kDa

**Product images:**



Circular map for MR225838