

Product datasheet for MR225925

En1 (NM_010133) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: En1 (NM_010133) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: En1
Synonyms: En-1; engrailed-1; Mo-en.1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR225925 representing NM_010133
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGAACAGCAGCCGGAGCCTAAAAGTCAGCGGACTCGGGCTCGGCGGGTGGCAGCGGGCCCC
 CGAGCGGCTCAGTCTGAGTCTGAGCCCAGGAGCCAGCGGCAGCAGCGGCAGCGATGGAGACAGCGTGCC
 GGTGTCCCGCAGCCAGCGCCCCGTCGCCTCCTGCGGCACCCTGTCTGCCGCCCTGGCCATCACCCG
 CACCTCCCCCGCATCCCCGCCCGCCGCCCGCCGCCCGCCGCCACCAGCAGCATCTCGCGGCGCCTG
 CTACCAGCCGAGCCCGCGGCCAGCTGCACCGCACCACCAACTTTTTTCATCGATAACATCCTAAGGCC
 CGATTTTCGGTTGCAAAAAGGAACAGCCCTGCCTCAGCTCCTGGTGGCTTCGGCTGCAGCCGGAGGAGGC
 GCAGCAGCAGGAGGAGGAAGCCGCTGGAGCGTGACCGAGGCCAGACTGGTGCAGGTAGAGACCCCGTTC
 ACTCTCTGGGCACACGAGCTTCGGGGGCTGCCTCGCTCTTGTGTGCTCCAGATGCGAACTGTGGCCACC
 CGACGGCTCCCAGCCCGCCACCGCTGTCAGCGCCGGCGCATCAAAGCCGGGAACCCGGCTGCTGCGGCG
 GCCGCGGCCGAGCAGCGGCTGCAGCGGCAGTGGCGGCAGCGGCCAGCAGCCTCGAAGCCCTCGGACA
 GTGGCGGTGGTAGTGAGGCAACGCGGGGAGTCCCGGGCGCAGGGCGCAAGTTCGGGAACACAACCC
 TGCGATCTACTCATGGTTTCGGCTAACGGTGGCCGGTGGTCAAGACTGACTCACAGCAACCCCTAGTG
 TGGCCCGCTGGGTCTACTGCACAGCTATTCGGACCGTCCGTCCTTGGTCCACGACCCAGGAAGCTAA
 AGAAGAAAAAGAACGAGAAGGAAGACAAGCGGCCGCGGACGGCGTTACGGCCGAGCAGCTGCAGAGACT
 CAAGGCGGAGTTCAGGCAAACCGCTATATCACGGAGCAGCGGCCAGACACCCTCGCCAGGAGCTCAGC
 CTGAATGAGTCCCAGATCAAGATCTGGTCCAAAACAAGCGTGCCAAGATCAAGAAAGCCACCGGATCA
 AGAACGGCTGGCGCTGCACCTCATGGCCAGGGACTGTACAACCACTCTACCACCACGGTTCAGGACAA
 AGACGAGAGCGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225925 representing NM_010133
Red=Cloning site Green=Tags(s)

MEEQQPEPKSQRDSGLGAVAAAAPSGLSLSLSPGASGSSGSDGDSVPVSPQPAPPSPPAAPCLPPLAHP
 HLPHPHPHPHPHPHPQHLAAPAHQPQAAQLHRTTNFFIDNILRPDFGCKKEQLPQLLVASAAAGGG
 AAAGGSRVERDRGQTGAGRDPVHSLGTRASGAASLLCAPDANCGPPDGSQPATAVSAGASKAGNPAAAA
 AAAAAAAAAAVAAAAAASKPSDSGGSGGNAGSPGAQGAKEPEHNPAIILLMGSANGGPVVKTDSSQQPLV
 WPAWVYCTRYSDRPSGPRTRKLLKKKNEKEDKRPRTAF TAEQLQRLKAEFQANRYITEQRRQTLAQELS
 LNESQIKIWFQNKRAKIKKATGIKNGLALHMAQGLYNHSTTTVQDKDESE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9088_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



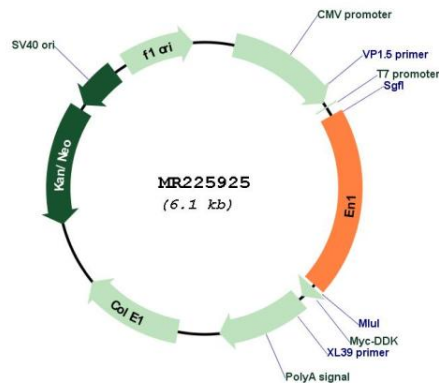
ACCN: NM_010133

ORF Size: 1203 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_010133.2</u> , <u>NP_034263.2</u>
RefSeq Size:	2554 bp
RefSeq ORF:	1206 bp
Locus ID:	13798
UniProt ID:	<u>P09065</u>
Cytogenetics:	1 52.74 cM
MW:	41 kDa

Product images:


Circular map for MR225925