

Product datasheet for **MR210504**

Emilin3 (NM_182840) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Emilin3 (NM_182840) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Emilin3
Synonyms:	1110013O17Rik; EMILIN-3; EMILIN-5; EMILIN-T; Emilin5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210504 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCCGCTGTCTCCGTGTGGCTGTGCACCGTCGCGGCGCTGCTCTCGGGGGCCAGGCCAAGGGCA
 CCCTCTCCTCGCGCGGCCCGCACAGCCAGTGCCTCCCGTTACAGCCTCTACACCACCGGATGGCGTCC
 GCGGCTGCGCCCGGGCCACACAAGTCTCTGTGCCTATGTGGTACACAGAAATGTGACCTGCGTCTTA
 CAAGAAGGAGCAGAGAGCTATATAAAGGCTGAGTACCGGAACTGTGGTGGGGACCCAAGTCCCTTCAA
 CAGTCAGGTACCGCACAGTGTTCAGACCCAGATACAAGATTGGCTACAAGACCGTGACAGACCTGGCGTG
 GCGCTGCTGCCCTGGTCTTACTGGGAAAGCTGCCCTGAACACCTCACAGACCATGGAGCCACCCACCC
 CACCAGGAGCCAGAGCCTCAGATTCCTTGGGGCAGCTGGGCCAGGTCCAGGCCTTCTCCTTACAGCA
 GAGAGGCCCGCCCGCCCGTGAAGAAAAGGCCAAGGGCCGTTTGGTGGCGGCTAGAACAGCGCCTGTC
 GCAAGCATATGGCACCTGAGTGGATTGGTAGCCAGCCAGAGAATCCCAATAGGATCACTGGTGACTCC
 AGGGCCCTGTGCTACCTATAGGCTTTGGGGTCAATCCCGAGGGTCTTGTGGCCCAAGAAGCAGAGGCA
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 CAAGGTGCAGCTGTTAGATGAGGTGCGTGGGCTGGCCCTGGGGCATGAGGCTCACCTGCAGCGGCTCCGG
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 CTTAGGGAGGTGTGGACGGGCTGCTTGAAGCCTTGAAGTATCAATGGGACAGAGAATGGAGCAAGGG
 GCTGCTGTCTGAGAATGGAGGTGGGGGCTGGGGTGTCCGGTGGCTTCGGGTCCACGCTGGAACAGCGAGT
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 CGAGGCTCTCCTACACCAGGTGGCTCGTACACTGCCCTGCTCCAACAGCTCAATGGCACGGTAGCTGAA
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 AGCAGCCAGGGCTCACGGCTTACGGCTGGCCACAGGCAGGTCTTGAACCTGCGAGGGGAGCTGGAGCAAC
 TCAAGGCTGGCATGGCCAATGTGGCTAGAGGGTTGAGCCGCTGCCGGGACACAGCCAGGAACTCCAGCA
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 ACCCACCTGAACAGTCTGCCTACTGAGCAGCTGAGGTCCAGGGAGGGCCTGTGGGGCCACATAGACAAGC
 TGAACACACATTGGCCAGCACACGCAGGATATCGCCCGGCTCCGGGATGACCTGTTGGACTGCAGAGC
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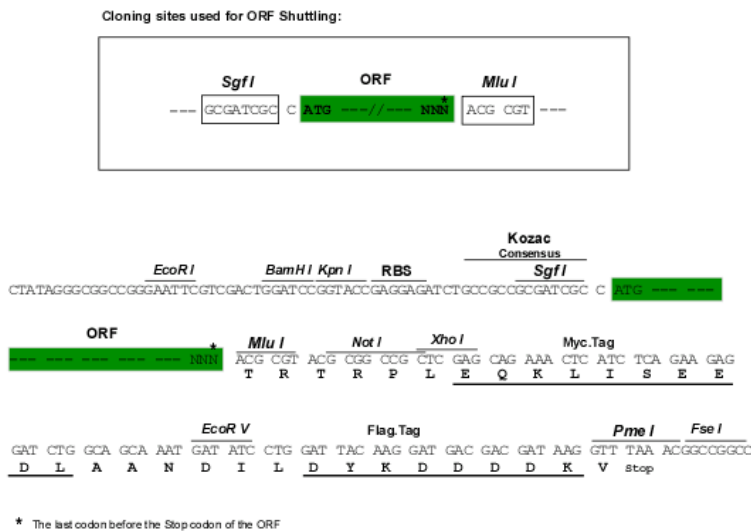
Protein Sequence: >MR210504 protein sequence
 Red=Cloning site Green=Tags(s)

MGRRLSVWLCTVAALLSGAQAKGTPLLARPAQPSASRYSLYTTGWRPRLRPGPHKSLCAYVVHRNVTCVL
 QEGAESYIKAEYRNCGWPNPCSTVRYRTVFRPRYKIGYKTVTDLAWRCCPGLTGESCEHLTDHGATPP
 HQEPEPQIPLGQLGPGPRPSPYSREAPRPRGRKQGPFGERLEQRLSQAYGTL SGLVASHENPNRITGDS
 RAPVVP IGFV IPEGLVAPEDRGRGPLIPPLSEILSKVTEVSNTLQTKVQLLDEVRLALGHEAHLQRLR
 EAPP SPLTSLALLEEYVDQRLQRLWGSLLDGFQKLGQVQSECDLRVQEVVRQQCEEGQAASQRLHQSLDG
 RELALRRELSQLGTQLQGLTLTGGGTCCSQLALISARVDSLERNLQAVTETQGGPGTLAADELARLSAAM
 LQGGVDGLLEGLETINGTENGARGCCLRMEVGGWVGGFGSTLEQRVQSLEERLATLTGELSPESAIPDR
 SARPLVHSELAVLEQRLVSLTSTPTTTAILDNLVAEVKAWQSRSEALLHQVARHTALLQQLNGTVAE
 VQGQLAEGTGSSLQGEITLLKVNLSVSKSLTGLSDSVSQSDAFSAANTSLDERERRVEAEVHTIQEQI
 SSQGSRLQAGHRQVNLNRGELEQLKAGMANVARGLSRCRDTAQELQHTVGHFDQVAQVEGACERLGLLA
 THLNSLPTEQLRSREGLWGHIDKLNHTLAQHTQDIARLRDDLLDCRAQLAEVRPGRAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182840

ORF Size: 2277 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_182840.2](#), [NP_878260.1](#)

RefSeq Size: 3588 bp

RefSeq ORF: 2277 bp

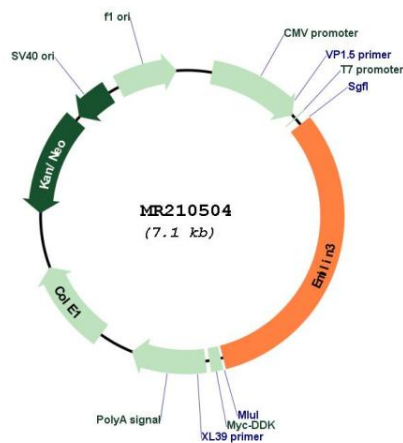
Locus ID: 280635

UniProt ID: [P59900](#)

Cytogenetics: 2 H2

MW: 82.4 kDa

Product images:



Circular map for MR210504