

Product datasheet for **RR209472**

Emilin3 (NM_001109901) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Emilin3 (NM_001109901) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Emilin3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR209472 representing NM_001109901
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGCCCGCTCTCCTCGTGTGGCTGTGCGCCGTCGCGCGCTGCTCTCGGGGGCGCAGGCCAAGGGCA
 CCTCGCTCTTCGCACGGCCCGCGCAGCCCGCGCCTCCCGCTACAGCCTCTACACCACCGGATGGCGTCC
 GCGGCTGCGTCCGGGGCCGCACAAGTCTCTGTGCTATGTGGTACATAGGAATGTGACCTGCGTCCTA
 CAAGAAGGAGCAGAGAGCTTTGTGAAGGCTGAGTACCGGAATTGTGGTTGGGGGCCAACTGCCCTCAA
 CAGTCAGGTACCGCACAGTGTTAGACCCAGATACAAGATCGGTTACAAGGCTGTGACAGACCTGGCCTG
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ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RR209472 representing NM_001109901
 Red=Cloning site Green=Tags(s)

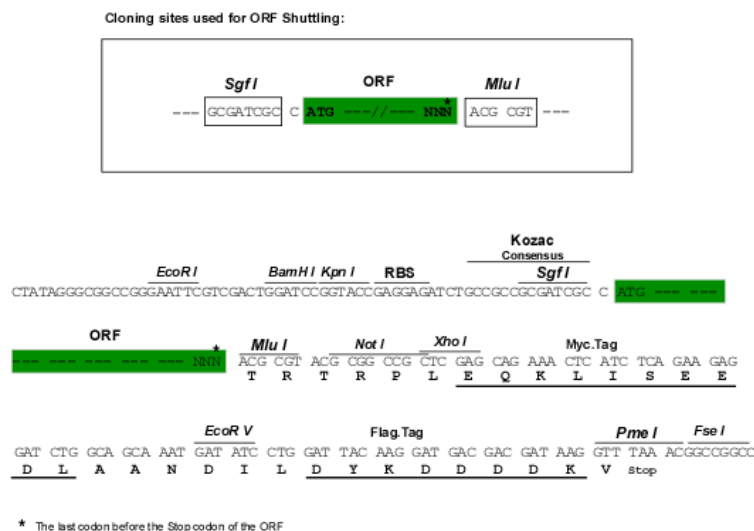
MGRRLLVWLCAVAALLSGAQAKGTSLFARPAQPGASRYSLYTTGWRPRLRPGPHKSLCAYVVHRNVTCVL
 QEGAEFVKAEYRNCGWPNCPSTVRYRTVFRPRYKIGYKAVTDLAWRCCPGLTGEGCPEHLEDHGATPP
 HQEPEPQIPLGQLGPGPRPSPYSREAPHPRGRKGPGLFGEQLEQLEGGVRRLSQAYGTL SGLAASHEDPD
 RITGDPRTPVVPVGVFVIPEGLADPEGRGRGPRIPLSEILSKVTEVSNLTQTKVQLLDEVRLALGHEA
 HLQRLREAPPSPLTSLALLEEYVDQRLQRLWGSLLDGFQKLQGVQSECDLRVQEVRRQCEEGQAASQRL
 HQSLDGRELALRRELSQLGTQLQGLTLTGGGTCCSQLALISARVDSLERNLQAVTETQGGPSTLAADELA
 RL SAAMLQGGVDGLLEGLLETINRTENGARGCCLRMEMGGWGVGGFGSTLEERVQSLEERLATLTGELKPK
 GAIPDRSVRPLVHSELAVLEQRLVSLETCTPSTTTAILDNLVAEVKAWQSRSEALLHQVARHTALLQQL
 NGTVAEVQGQLAEGTGSSLQGEITLLKVNLSVSKSLTGLSDSVSQYSDAFLAANTSLDERERRVEAEVH
 AIQEQVSSQGSRLQAGHRQVLNLRGELEQLKAGVANVAGGLSRCRDTAQELQHTVSHFDQRVAQVEGAYE
 RLGLLAAHLNSLPTEQLRSREGLWGHIDKLNHTLAQHTQDIARLRDDLLDCRAQLAEVRPGRAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001109901

ORF Size: 2292 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_001109901.2, NP_001103371.1

RefSeq Size: 2440 bp

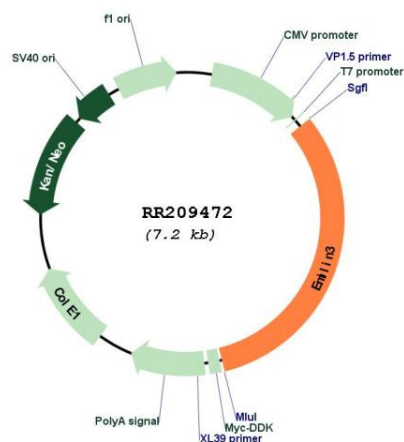
RefSeq ORF: 2295 bp

Locus ID: 362262

Cytogenetics: 3q42

MW: 83 kDa

Product images:



Circular map for RR209472