

Product datasheet for **RR214116**

Eln (NM_012722) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eln (NM_012722) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eln
Synonyms:	RATTREL11; TREL11; Trela; Trela26
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR214116 representing NM_012722
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGTCTGACAGCGCAGTCCCGCAGCCTGGCGTCTTGCTGATCCTTTGCTCAACCTCCTCCATC
 CCGCGCAGCCTGGAGGGTTCCAGGAGCTGTGCCTGGTGGAGTTCTGGCGGACTTCTGGTGGAGTTCC
 CGGTGGAGTCTATTATCCAGGAGCTGGTATCGGAGGAGGCTGGGAGGAGGACTCTGGGACCTGGAGGA
 AAACCGCCTAAGCCAGGTGCCGACTTCTGGGAGCGTTTGGAGCAGGTCTGGAGGACTTGGAGGTGCTG
 GCCCGGGGAGGCTCTCCTATGCTTCAAGGCCAGGTGGTGTCTGGTGCCTGGGGAGGAGCAGGGGC
 TGCAGCAGCTTAAAGCCGCGGCCAAAGCTGGGGCTGGGCTGGAGGCATTGGCGGAGTTCCAGGGGGT
 GTTGGAGTTGGTGGAGTCTGGGGCTGTTGGAGTTGGCGGAGTCTGGGGCTGTCGGTGGTATTGGTG
 GCATCGGTGGCTTAGGAGTCTCAACAGGTGCTGTGGTGCCTCAACTGGAGCTGGAGTCGGAGCCGAGG
 AAAGCCTGGGAAAGTTCTGGTGTGGTCTTCCAGGTGTATCCAGGTGGAGTGTCCAGGAACAGGA
 GCTCGGTTCCCTGGTGTGGGAGTGTCCCTGGAGTTCCTACTGGCACAGGAGTCAAGGCCAAGTTCCGG
 GTGGAGGAGGTGGTGTCTTTCTGGAATCCAGGGGTGGGCCCTTTGGGGGTGACGAGCCTGGTGTCCC
 ACTGGGTATCCCATCAAAGCGCCAAAGCTGCCAGGTGGCTATGGACTGCCCTATAACCAATGGGAACTG
 CCCTATGGAGTGGCTGGTGCAGGGGGCAAAGCTGGCTACCCAACAGGGACAGGGGTGGGTCCCAGGCAG
 CAGTGGCAGCAGCTAAAGCAGCGAAGTATGGTGTGGAGGAGTGGAGTCTCCCTGGTGTGGAGGGGG
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 GCTGCTGTCAAAGGCTGCCGCTAAGGCTGCTAAGTATGGAGCTGTGGAGGCTTAGTGCCTGGTGGAG
 CAGGAGTTAGGGTCCCAGGTGCTGGAATCCAGGTGTTGGGATCCAGGTGTGGTGGCATTCCAGGTGT
 TGGTGGCATTCCAGGTGTTGGTGGCATCCAGGTGTTGGGGCCCTGGTATCGGAGGTCCAGGCATTGTG
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 AGCTGGACTTGGAGGTGCAAGCCAAGCTGCTGCTGCCGCTGCCGCTGCCAAAGCTGCCAAGTACGGTGC
 GGAGGAGCTGGAACCTGGGAGGCTGGTGCAGGTGCAGTACCAGGTGCACTGCCAGGTGCAGTACCAG
 GTGCACTGCCAGGTGCAGTACCAGGTGCACTGCCAGGTGCAGTACCAGGTGTGCCGGGACTGGTGGAGT
 GCCAGGAGCAGGTACCCCTGCCGCTGCAGTGTGCCCGCTGCCAAGGAGCCGCCAAGGAGCCAG
 TATGGTTTGGGCCCTGGTGTGGTGGCGTTCCTGGTGGAGTTGGTGTGGTGGGCTTCCCGTGGAGTTG
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 AGGGACACCAGCTGTGCAAATCTGCTGCTAAGGCGGCTGCCAAAGCCAGTACAGGGCTGCTGTGGG
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 GCTGCTTTGGAAATCTGTGGCCGAAGAGAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214116 representing NM_012722
 Red=Cloning site Green=Tags(s)

MAGLTAAVPQPGVLLILLNLLHPAQPGGVPGAVPGGVPGLPGGVPGGVYYPGAGIGGGLGGGALGPGG
 KPPKPGAGLLGAFGAGPGLGGAGPGAGLSYASRPGGVLVPGGGAGAAAAAYKAAAKAGAGLGGIGGVPGG
 VGVGGVPGAVGVGGVPGAVGGIGGIGGLGVSTGAVVPLGAGVAGGKPKVPGVGLPGVYPPGGVLPGTG
 ARFPGVGVLPGVPTGTGVKAKVPGGGGGAFSGIPGVGPFGGQPGVPLGYPIKAPKLPGGYGLPYTNGKL
 PYGVAGAGGKAGYPTGTGVGSQAAVAAAKAAKYAGGGGVLPGVGGGIPGGAGAIPIGGITGAGTPAA
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 GPGAVSPAAAAKAAKAAKYGARGGVGIPTYGVGAGGFPGYGVGAGAGLGGASQAAAAAAKAAKYGA
 GGAGTLGGLVPGAVPGALPGAVPGALPGAVPGALPGAVPGVPGTGGVPGAGTPAAAAAAKAAKAGQ
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 LGAGVPLGVGAGVPGFAGAGGFGAGAGVPGFAGAVPSLAASKAAKYGAAGGLGGPGLGGPGLGG
 PGLGGPGLGGPGLGGVPGVAGGAPAAAAKAAKAAQYGLGGAGGLGAGGLGAGGLGAGGLGAGG
 LGAGGLGAGGVIPGAVGLGGVSPAAAAKAAKYGAAGLGGVLGARPFPGGVAARPGFGLSPIYPPGGAGG
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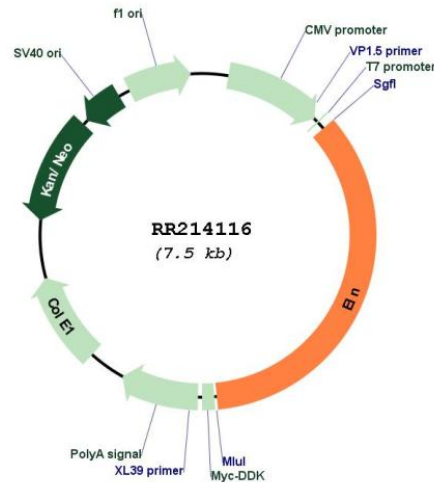
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_012722

ORF Size: 2625 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_012722.1](#), [NP_036854.1](#)

RefSeq Size: 3615 bp

RefSeq ORF: 2628 bp

Locus ID: 25043

UniProt ID: [Q99372](#)

Cytogenetics: 12q12

MW: 73.7 kDa

Gene Summary: precursor of elastin, which is a major component of the elastic fibers of the extracellular matrix; confers elasticity to tissues [RGD, Feb 2006]