

Product datasheet for **MC222143**

Eln (NM_007925) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eln (NM_007925) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eln
Synonyms:	A1385707; A1480567; E030024M20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222143 representing NM_007925
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGTCTGACACGGTAGTCCCGCAGCCTGGCGTCTTGCTGATCCTTTGCTCAACCTCCTCCATC
 CCGCGCAGCCTGGAGGGTTCCAGGAGCTGTGCCTGGCGGACTTCTGGTGGAGTCCCGGTGGAGTCTA
 TTATCCAGGGGCTGGTATTGGAGCCTGGGAGGAGGAGGAGCTCTGGGACCTGGAGGAAAACCACT
 AAGCCAGGTGCCGACTTCTGGGAACGTTTGGAGCAGGTCTGGAGGACTTGGAGGTGCTGGCCCGGGT
 CAGGTCTCGGGCCTTCTGCAGGCACCTCCAGGGGAGGAGCTCTGGTGCCCGGGGAGCAGCAGG
 GGCTGCTCGGCTTATAAAGCTGCCGCAAAGCTGGGGCTGGGCTTGGTGGCGTTGGCGGAGTCCCAGGT
 GGTGTTGGCGTTGGTGGAGTCCAGGTGGTGGTGGAGTTGGCGGAGTCCCAGGTGGTGGTGGAGTTGGT
 GAGTCCCTGGCGGTGGTGGTATTGGTGGCATCGGTGGCTTAGGAGTCTCGACAGGTGCTGTGGTGCC
 CCAAGTCGGAGCTGGCATCGGAGCTGGAGGAAAGCCTGGGAAAGTTCCTGGTGGTCTCCAGGTGTA
 TACCCAGGCGGAGTGGTCCCAGGAACAGGAGCTCGGTTCCCTGGTGGGGGTGCTCCCTGGAGTCCCA
 CTGGCACAGGAGTCAAAGCCAAGGCTCCAGGTGGAGGTGGTGGTCTTTGCTGGAATCCCAGGGGTCGGACC
 CTTTGGGGGTGAGCAGCCTGGTGTCCCCTGGGTATCCCATCAAAGCACCAGGCTGCCAGGTGGCTAC
 GGACTGCCCTATACCAATGGGAAATTGCCCTATGGAGTAGCTGGTGCAGGGGCAAGGCTGGCTACCCAA
 CAGGGACAGGGTCCGATCCCAGGCGGCGGCGGAGCAGCTAAAGCAGCCAAGTATGGTGGTGGGGAGC
 TGGAGTCTCCCTGGTGGTGGAGGGGTGGCATTCTGGTGGTGGTGGCGCAATTCTGGGATTGGAGGC
 ATTGCAGGCGTGAACCTCTGCAGCAGCAGCTGCTGCAAAGGCTGCTGCTAAGGCTGCTAAGTATGGAG
 CTGCTGGAGGTTAGTGCCTGGTGGAGCAGGAGTTAGGCTCCCAGGTGGTGGATCCCAGGTGGTGGTGG
 CATTCTGGTGGTGGTGGCATCCAGGTGGTGGGGGCCCTGGTATTGGAGGTCCAGGCATTGGGGTGG
 CCAGGAGCTGTGTACCAGCTGCAGCTGCTAAAGCTGCTGCAAAGCTGCAAATACGGAGCCAGAGGTG
 GAGTTGGCATCCCGACATATGGGGTGGTGGTGGTGGTCTTCTGGCTATGGTGGTGGAGCTGGAGCAGG
 ACTTGGAGGTGCAAGCCAGCTGCTGCTGCTGCCCGCCCAAAGCTGCTAAGTATGGTGGTGGAGGAGCT
 GGAGCCCTGGGAGGCTGGTGGCAGGTGCAGTACCAGGTGCACTGCCAGGTGCAGTACCAGCTGTGCCGG
 GAGCTGGTGGAGTCCAGGAGCAGGTACCCTGCAGCTGCAGCTGCTGCCCGCCGCTAAAGCAGCCG
 CAAAGCAGGTTGGGTCCTGGTGGTGGTGGGTTCTGGTGGAGTTGGTGGTGGTGGGATTCCCGGTGGA
 GTTGGTGGTGGTGGGTTCTGGTGGAGTTGGCCCTGGTGGTGGTACTGGTATTGGAGCTGGTCCCTGGCG
 GTCTTGGAGGAGCAGGTCACCGCTGCCGCTAAATCTGCTGCTAAGGCAGCTGCCAAAGCCAGTACAG
 AGCTGCCGCTGGGCTGGAGCTGGTGGTCCCTGGATTTGGGGCTGGTGGTGGTGGTGGTGGTGGGCT
 GGTGGTGGTGGTGGGATTTGGGGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 GATTTGGAGCTGGAGCAGTACCTGGATCGCTGGCTGCATCCAAAGCTGCTAAATATGGAGCAGCAGGTGG
 CCTTGGTGGCCCTGGAGGTCTCGGTGGCCCTGGAGGTCTCGGTGGACCTGGAGGACTTGGTGGGGCTGGT
 GTTCCCGGTAGAGTAGCAGGAGCTGCACCCCTGCTGCTGCCGCTGCTGCTGCCAAAGCTGCTGCTAAGG
 CTGCCAGTATGGCCTTGGTGGAGCCGGAGGATTGGGAGCCGGTGGACTGGGGCCGGTGGACTGGGAGC
 CGGTGGACTGGGAGCTGGTGGACTGGGAGCCGGTGGACTGGGAGCTGGTGGACTGGGAGCCGGTGGACTG
 GGAGCTGGTGGAGGTGTGCCCTGCTGCAGCTGCTAAGGCAGCCAATATGGTGGTGGTGGTGGTGGGAG
 GTGTCCTAGGAGCCAGGCCATTCCAGGTGGAGGAGTTGCAGCAAGACCTGGCTTTGGACTTTCTCCCAT
 TTATCCAGGTGGTGGTGGGGCCTGGGAGTTGGTGGAAAACCCCGAAGCCCTATGGAGGAGCCCTT
 GGAGCCCTGGGATACCAAGGTGGGGGCTGCTTTGGGAAATCCTGTGGCCGGAAGAGAAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_007925
 Insert Size: 2583 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	NM_007925.4 , NP_031951.2
RefSeq Size:	3865 bp
RefSeq ORF:	2583 bp
Locus ID:	13717
UniProt ID:	P54320
Cytogenetics:	5 74.76 cM
Gene Summary:	This gene encodes elastin, the extracellular matrix protein that forms a major structural component of several tissues including lungs and arterial walls. Cleavage of the signal peptide from the encoded precursor generates soluble tropoelastin which undergoes lysine-derived crosslinking to form elastin polymers. Mice lacking the encoded protein exhibit defective lung development, and die of an obstructive arterial disease resulting from subendothelial cell proliferation and reorganization of smooth muscle. [provided by RefSeq, Aug 2015]