

Product datasheet for MR227515L3

Eln (NM_007925) Mouse Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eln (NM_007925) Mouse Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	Eln
Synonyms:	AI385707; AI480567; E030024M20Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227515).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

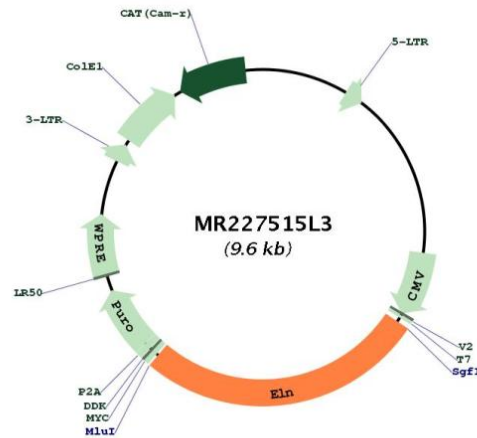
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.



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Plasmid Map:


ACCN: NM_007925

ORF Size: 2580 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_007925.3](#), [NP_031951.2](#)

RefSeq Size: 3781 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]