

Product datasheet for **MR226046L3V**

Elane (NM_015779) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Elane (NM_015779) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Elane
Synonyms:	EI; Ela2; F430011M15Rik; N; NE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_015779
ORF Size:	795 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226046).
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.
RefSeq:	NM_015779.2 , NP_056594.2
RefSeq Size:	920 bp
RefSeq ORF:	798 bp
Locus ID:	50701
UniProt ID:	Q3UP87
Cytogenetics:	10 39.72 cM



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Gene Summary:

This gene encodes a member of the chymotrypsin-like family of serine protease enzymes that hydrolyzes a broad range of protein substrates including elastin. This gene is expressed by neutrophils where the encoded enzyme is stored in azurophil granules. Upon neutrophil activation, the active enzyme is released into the extracellular milieu. Mice lacking the encoded protein exhibit increased susceptibility to sepsis and death following intraperitoneal infection with Gram negative bacteria. This gene is located adjacent to a related proteinase gene on chromosome 10. [provided by RefSeq, Jul 2016]