

Product datasheet for MR226046

Elane (NM_015779) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Elane (NM_015779) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Elane

Synonyms: El; Ela2; F430011M15Rik; N; NE

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR226046 representing NM_015779

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CAAAGACCGAGAGGCAGGACCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

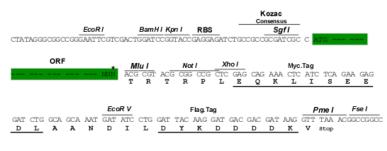
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_015779

ORF Size: 795 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: <u>NM 015779.2</u>, <u>NP 056594.2</u>

RefSeq Size: 920 bp RefSeq ORF: 798 bp



Locus ID: 50701

UniProt ID: Q3UP87

Cytogenetics: 10 39.72 cM

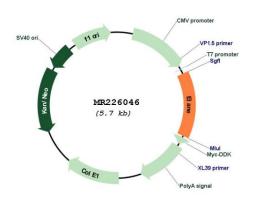
MW: 29.1 kDa

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 mileu. 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]

Product images:



Circular map for MR226046