

## Product datasheet for MC209856

### Elane (NM\_015779) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elane (NM_015779) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Elane
Synonyms:	El; Ela2; F430011M15Rik; N; NE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015779, the custom clone sequence may differ by one or more nucleotides

ATGGCCCTTGGCAGACTATCCAGCCGGACTCTGGCTGCCATGCTACTGGCATTGTTCTGGGTGGCCAG  
 CACTGGCCTCAGAGATTGTTGGTGGCCGGCCGGCCCGGCCCATGCTTGGCCCTTCATGGCATCCCTGCA  
 GAGGCGTGGAGGTCATTCTGTGGTGCCACCCTCATTGCCAGGAACCTCGTCATGTCAGCAGCCCACTGT  
 GTGAACGGCCTAAATTTCCGGTCAGTGCAGGTAGTGTGGGAGCCCATGACCTGCGGCGACAGGAGCGCA  
 CTCGACAGACCTTCTCTGTGCAGCGGATCTTCGAGAATGGCTTTGACCCATCACAACCTGCTGAACGACAT  
 TGTGATTATCCAGCTCAATGGCTCCGCTACCATTAAACGCCAACGTGCAGGTGGCCAGCTGCCTGCCAG  
 GGCCAGGGCGTGGGTGACAGAACTCCATGTCTGGCCATGGGCTGGGGCAGGTTGGGCACAAACAGACCAT  
 CACCCAGTGTGCTACAAGAGCTCAATGTGACAGTGGTGACTAACATGTGCCGCCGTGCTGTGAACGTATG  
 CACTCTGGTGCCACGTCCGCGAGGCAGGCATCTGCTTCGGGGACTCTGGCGGACCCCTTGGTCTGTAACAAC  
 CTTGTCCAAGGCATTGACTCCTTCATCCGAGGAGGCTGTGGATCTGGATTGTACCCAGATGCCTTCGCCC  
 CTGTGGCTGAGTTTGCAGATTGGATCAATTCATTATCCGAAGCCATAATGACCACCTTCTTACCCATCC  
 CAAAGACCGAGAGGGCAGGACCAACTAG

Restriction Sites:	SgfI-MluI
ACCN:	NM_015779
Insert Size:	798 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).


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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">BC145800</a> , <a href="#">AAI45801</a>
<b>RefSeq Size:</b>	905 bp
<b>RefSeq ORF:</b>	798 bp
<b>Locus ID:</b>	50701
<b>UniProt ID:</b>	<a href="#">Q3UP87</a>
<b>Cytogenetics:</b>	10 39.72 cM
<b>Gene Summary:</b>	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]