Active Recombinant Mouse Elane Protein, His-tagged

Cat. No. Elane-694M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Elane (Accession # NP_056594) Ser27-Arg260, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Ser27-Arg260
Predicted N Terminal	Ser27
Form	Supplied as a 0.2 μm filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, MeOSuc-Ala-Ala-Pro-Val-7-amido-4-methylcoumarin (MeOSuc-AAPV-AMC). The specific activity is >500 pmol/min/μg, as measured under the described conditions.
Molecular Mass	Recombinant Mouse Elane, His-tagged has a calculated MW of 27 kDa. In SDS-PAGE migrates as 34 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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GENE INFORMATION

Gene Name	Elane elastase, neutrophil expressed [Mus musculus]
Official Symbol	Elane
Synonyms	ELANE; elastase, neutrophil expressed; neutrophil elastase; elastase-2; leukocyte elastase; elastase 2, neutrophil; NE; Ela2; F430011M15Rik;
Gene ID	50701
mRNA Refseq	NM_015779
Protein Refseq	NP_056594
MIM	

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