

## Recombinant Mouse Cela3b protein, His-tagged

**Cat. No.** Cela3b-125M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Cela3b fused with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, elastase 3B has little elastolytic activity. Like most of the human elastases, elastase 3B is secreted from the pancreas as a zymogen and, like other serine proteases such as trypsin, chymotrypsin and kallikrein, it has a digestive function in the intestine. |
| <b>Form</b>             | Lyophilized from PBS, pH 7.4, 5% trehalose, 0.01% sarcosyl                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 27.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | Greater than 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage</b>          | Store at +4 centigrade for up to 1 month, or aliquot and store at -80 centigrade for up to 12 months. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                          |

### GENE INFORMATION

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| <b>Gene Name</b> | Cela3b chymotrypsin-like elastase family, member 3B [ <i>Mus musculus</i> ] |
|------------------|-----------------------------------------------------------------------------|

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|                            |                                                                                                                                                                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | <a href="#">Cela3b</a>                                                                                                                                                                                                                           |
| <b>Synonyms</b>            | CELA3B; chymotrypsin-like elastase family, member 3B; chymotrypsin-like elastase family member 3B; protease E; elastase-3B; elastase IIIB; elastase 3, pancreatic; elastase 3B, pancreatic; Ela3; Ela3b; AI504000; 0910001F22Rik; 2310074F01Rik; |
| <b>Gene ID</b>             | <a href="#">67868</a>                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | <a href="#">NM_026419</a>                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | <a href="#">NP_080695</a>                                                                                                                                                                                                                        |
| <b>MIM</b>                 |                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | <a href="#">Q9CQ52</a>                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 4 D3; 4 69.9 cM                                                                                                                                                                                                                                  |
| <b>Pathway</b>             | Pancreatic secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem;                              |
| <b>Function</b>            | hydrolase activity; peptidase activity; serine-type peptidase activity;                                                                                                                                                                          |

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