

## Recombinant Mouse Itih3 Protein, Myc/DDK-tagged

**Cat. No.** Itih3-3613M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length inter-alpha trypsin inhibitor, heavy chain 3 (Itih3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | This gene encodes one of the heavy subunits of inter alpha trypsin inhibitor that functions as a protease inhibitor circulating in the plasma. The encoded protein undergoes proteolytic processing to generate a mature glycoprotein that is linked to the other subunits via an ester bond between the C-terminal aspartic acid residue and the N-acetyl galactosamine residue of chondroitin sulfate. This gene is located in a cluster of related inter alpha trypsin inhibitor genes on chromosome 14. |
| <b>Molecular Mass</b>   | 99.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** *Itih3* inter-alpha trypsin inhibitor, heavy chain 3 [ *Mus musculus* (house mouse) ]

**Official Symbol** *Itih3*

**Synonyms** *Itih3*; inter-alpha trypsin inhibitor, heavy chain 3; In; *Itih*; *Intin3*; *Itih-3*; ITI-HC3; AW108094; inter-alpha-trypsin inhibitor heavy chain H3; ITI heavy chain H3; inter-alpha-inhibitor H3 chain; inter-alpha-inhibitor heavy chain 3

**Gene ID** 16426

**mRNA Refseq** NM\_008407

**Protein Refseq** NP\_032433

**UniProt ID** Q61704

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