

## Recombinant Mouse Trefoil Factor 3 (Tff3), N-His-GST

**Cat. No.:** AP4C814

**Product Type:** Animal Proteins

**Size:** 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Mouse Trefoil Factor 3 (Tff3), N-His-GST is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 36.5 kDa. The purity is > 97%.

### Specifications

|                            |                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------|
| Type                       | Recombinant Protein                                                                                     |
| Species                    | Mouse                                                                                                   |
| Expression System          | <i>E.coli</i>                                                                                           |
| Purity                     | > 97%                                                                                                   |
| Endotoxin                  | <1.0 EU per 1µg (determined by the LAL method)                                                          |
| Predicted Molecular Weight | 36.5 kDa                                                                                                |
| Physical State             | Lyophilized                                                                                             |
| Formulation                | 20 mM Tris, 150 mM NaCl, pH8.0, containing 1 mM EDTA, 1 mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |

### Target Information

Mouse Trefoil Factor 3 (Tff3) is a peptide involved in mucosal repair and protection. In mice, Tff3 is highly expressed in the intestine and promotes epithelial cell restitution and wound healing. It plays a crucial role in maintaining intestinal barrier integrity and preventing inflammatory diseases. Tff3 interacts with mucins and extracellular matrix components to stabilize the mucosal lining. Its expression is induced by epithelial injury and inflammatory signals, making it important in the defense against gastrointestinal disorders.

|                 |                               |
|-----------------|-------------------------------|
| Protein         | Mouse Trefoil Factor 3 (Tff3) |
| Protein Synonym | Intestinal trefoil factor     |
| Gene ID         | <a href="#">21786</a>         |
| EC No.          | <a href="#">Q62395</a>        |

## Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 20 mM Tris, 150 mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.