

## Recombinant Mouse TFF3

Catalog No: C661

Description Recombinant Mouse Trefoil Factor 3 is produced by our Mammalian expression system and the target

gene encoding Ala23-Phe81 is expressed with a 6His at the C-terminus.

Source Human Cells

Alternative name Trefoil factor 3; Intestinal trefoil factor; mITF; Tff3; Itf

Accession No. Q62395

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Quality Control Purity: Greater than 90% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

**Shipping** The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

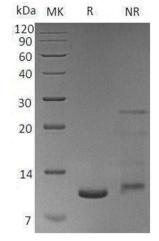
Amino Acid Sequence

ADYVGLSPSQCMVPANVRVDCGYPSVTSEQCNNRGCCFDSSIPNVPWCFKPLQETECTFHHHHHH

## **Background**

Trefoil factors (TFF) are secretory products of mucin producing cells. They play a key role in the maintenance of the surface integrity of oral mucosa and enhance healing of the gastrointestinal mucosa by a process called restitution. TFF comprises the gastric peptides (TFF1), spasmolytic peptide (TFF2), and the intestinal trefoil factor (TFF3). They have an important and necessary role in epithelial restitution within the gastrointestinal tract. Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40- amino acid domain that contains three conserved disulfide bonds. They are stable secretory proteins expressed in gastrointestinal mucosa. Trefoil Factor 3(TFF3) is involved in the maintenance and repair of the intestinal mucosa. TFF3 promotes the mobility of epithelial cells in healing processes (motogen).

SDS-Page



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