## 32-7566: Recombinant Human Trefoil Factor 1/TFF1 (C-6His)

**Gene :**       TFF1
**Gene ID :**    7031
**Uniprot ID :** P04155

## Description

Source: Human Cells.
MW :7.5kD.
Recombinant Human Trefoil Factor 1 is produced by our Mammalian expression system and the target gene encoding Glu25-Phe84 is expressed with a 6His at the C-terminus. Trefoil Factor 1 (TFF1) belongs to the three structurally related secreted proteins that contain trefoil domains. TFF1 is an approximately 7 kDa peptide that plays an important role in epithelial regeneration and wound healing. It is highly expressed in goblet cells of the gastric and intestinal mucosa and by conjunctival goblet cells. By conserving intrachain disulfide bonds, human TFF1 formed a three-leaved conformation held together.It is a copper-binding protein that can form disulfide-linked homodimers, associate into disulfide-linked complexes with Gastrokine 2, and form non-covalent complexes with the mucin MUC5AC. TFF1 is down-regulated during the progression from gastritis to gastric dysplasia to gastric cancer, although it is up-regulated in breast and prostate cancers.

## Product Info

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| **Amount :** | 10 µg / 50 µg |
| **Content :** | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4. |
| **Storage condition :** | 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 :** | EAQTETCTVAPRERQNCGFPGVTPSQCANKGCCFDDTVRGVPWCFYPNTIDVPPEEECEFHHHHHH |

## Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.