



# Recombinant Mouse TFF2 (C-6His)

<b>Catalog #</b>	EPT220
<b>Expression Host</b>	Human Cells
<b>DESCRIPTION</b>	Recombinant Mouse Trefoil Factor 2 is produced by our Mammalian expression system and the target gene encoding Glu24-Tyr129 is expressed with a 6His tag at the C-terminus.
<b>Accession</b>	Q03404
<b>Synonyms</b>	Trefoil Factor 2; Spasmolytic polypeptide; SP; Tff2; Sml1; Sp
<b>Mol Mass</b>	12.7 KDa
<b>AP Mol Mass</b>	14 KDa, reducing conditions
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
<b>FORMULATION</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>RECONSTITUTION</b>	Always centrifuge tubes before opening. Do not mix by





vortex or pipetting.

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.

## 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  $< -20^{\circ}\text{C}$ , though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at  $4-7^{\circ}\text{C}$  for 2-7 days.

Aliquots of reconstituted samples are stable at  $< -20^{\circ}\text{C}$  for 3 months.

## BACKGROUND

Recombinant Murine TFF-2 is an 11.9 kDa polypeptide of 106 amino acid residues, which includes a 40-amino acid trefoil motif containing three conserved intramolecular disulfide bonds. The Trefoil Factor peptides (TFF1, TFF2 and TFF3) are expressed in the gastrointestinal tract, and appear to play an important role in intestinal mucosal defense and repair. TFF2 has





been shown to inhibit gastrointestinal motility and gastric acid secretion. Recent data suggests a potential role for TFF2 in acute and chronic asthma. It inhibits gastrointestinal motility and gastric acid secretion. As a structural component of gastric mucus, it possibly by stabilizing glycoproteins in the mucus gel through interactions with carbohydrate side chains.

## **SDS-PAGE**

