



Recombinant Protein Technical Manual  
Recombinant Mouse Trefoil Factor 2/TFF2 Protein  
(His Tag)  
RPES0442

Product Data:

**Product SKU:** RPES0442

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** Q03404

Protein Information:

**Molecular Mass:** 12.7 kDa

**AP Molecular Mass:** 14 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**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.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

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

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Trefoil Factor 2; Spasmolytic polypeptide; SP; Tff2; Sml1; Sp

## Immunogen Information:

**Sequence:** Glu24-Tyr129

## 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.