

## Recombinant Mouse TFF1 (C-6His)

Catalog # EPT100

**Expression Host** Human Cells

**DESCRIPTION** Recombinant Mouse Trefoil Factor 1 is produced by

our Mammalian expression system and the target

gene encoding Gln22-Phe87 is expressed with a 6His

tag at the C-terminus.

Accession Q08423

**Synonyms** Trefoil factor 1; Protein pS2; Tff1; Bcei; Ps2

Mol Mass 8.3 KDa

**AP Mol Mass** 15 KDa, reducing conditions

**Purity** Greater than 95% as determined by reducing

SDS-PAGE.

**Endotoxin** Less than 0.1 ng/μg (1 EU/μg) as determined by LAL

test.

**FORMULATION** Lyophilized from a 0.2 µm filtered solution of PBS, pH

7.4.

**RECONSTITUTION** Always centrifuge tubes before opening.Do not mix by

vortex or pipetting.



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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 ° 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.

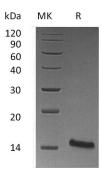
**BACKGROUND** 

Trefoil Factor 1 (TFF1) belongs to the three structurally related secreted proteins that contain trefoil domains.TFF1 is an approximately peptide that has an important effect in epithelial regeneration and wound healing.It originates from musculus and highly expressed by goblet cells of the gastric and intestinal mucosa and by conjunctival goblet cells. TFF1 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. TFF1 inhibits the formation of calcium oxalate crystals, and its excretion in the urine is reduced in patients with kidney stones.



## **SDS-PAGE**

