



## Recombinant Mouse TFF1

20180507BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>M10-242S</b>
Size:	5 µg
Lot. No.:	According to product label

### Sequence

QAQAQAQAQE ETCIMAPRER INCGFPGVTA QQCTERGCCF  
DDSVRGFPWC FHPMAIENTQ EEECPF

### Database References

<b>Protein RefSeq:</b>	NP_033388.1
<b>Uniprot ID:</b>	Q08423
<b>mRNA RefSeq:</b>	NM_009362.2

## Scientific Background

<b>Gene-ID (NCBI):</b>	21784
<b>Synonyms:</b>	Trefoil Factor 1, pS2 protein, HP1.A, Breast Cancer Estrogen-Inducible protein (BCEI), PNR2

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. TFF1 is essential for normal differentiation of the antral and pyloric gastric mucosa, and functions as a gastric-specific tumor suppressor gene. Recombinant Murine TFF-1 is a 7.4 kDa monomeric protein consisting of a 66 amino acid polypeptide chain, which includes a 40-amino acid trefoil motif containing three conserved intramolecular disulfide bonds.

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 98% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	245
<b>MW:</b>	44.0 kDa (reducing conditions)



**AVOID REPEATED FREEZE AND THAW CYCLES!**

**Biological Activity:** Not available.