



## Recombinant Mouse TFF2

20180507BB



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

<b>Cat.-no.:</b>	<b>M10-243</b>
Size:	20 µg
Lot. No.:	According to product label

### Sequence

EKPSPCRCSR LTPHNRKNCG FPGITSEQCF DLGCCFDSSV  
AGVPWCFHPL PNQSEQCVM EVSARKNCY PGISPEDCAS  
RNCCFSNLIF EVPWCFPPQS VEDCHY

### Database References

<b>Protein RefSeq:</b>	-
<b>Uniprot ID:</b>	Q063404
<b>mRNA RefSeq:</b>	-

## Scientific Background

<b>Gene-ID (NCBI):</b>	21784
<b>Synonyms:</b>	Trefoil Factor 2, Spasmolytic Polypeptide (SP), Spasmolysin

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 (Nikolaidis, N.M. et al. *Am. Journal Respir. Cell Mol. Biol.* (2003) 4: 458-464). 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.

## 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.