



Recombinant Mouse TFF2

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FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	M10-243S
Size:	5 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	21784
Synonyms:	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 (Nikolaïdis, 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.

Sequence

EKPSPCRCSR LTPHNRKNCG FPGITSEQCF DLGCCFDSSV
AGVPWCFHPL PNQEQECVM EVSARKNCY PGISPEDCAS
RNCCFSNLIF EVPWCFPPQS VEDCHY

Database References

Protein RefSeq:	-
Uniprot ID:	Q063404
mRNA RefSeq:	-

Product Specifications

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



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: Not available.