



Recombinant Human TFF-1

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-288
Size:	20 µg
Lot. No.:	According to product label

Sequence

EAQTETCTVA PRERQNCGFP GVTPSQCANK GCCFDDTVRG
VPWCFYPNTI DVPPEEECEF

Database References

Protein RefSeq:	NP_003216.1
Uniprot ID:	P04155
mRNA RefSeq:	NM_003225

Scientific Background

Gene-ID (NCBI):	7031
Synonyms:	TFF1; pS2; BCEI; HPS2; HP1.A; pNR-2; D21S21

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 human TFF1 is a 13.2 kDa homodimeric protein consisting of two 60 amino acid polypeptide chains, which includes a 40-amino acid trefoil motif containing three conserved intramolecular disulfide bonds.

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):	60
MW:	6.7 kDa

Biological Activity: Determined by its ability to chemoattract human MCF-7 cells using a concentration 5-10 µg/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!