Recombinant Human TFF1, His-tagged

Cat. No. TFF1-27975TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Estrogen Inducible Protein pS2 with an N-Terminal His-tag, 70 amino acids, Predicted MWt 7.9 kDa.
Species	Human
Source	E.coli
Description	Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer, and affect healing of the epithelium. This gene, which is expressed in the gastric mucosa, has also been studied because of its expression in human tumors. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21.
Conjugation	HIS
Tissue specificity	Found in stomach, with highest levels in the upper gastric mucosal cells (at protein level). Detected in goblet cells of the small and large intestine and rectum, small submucosal glands in the esophagus, mucous acini of the sublingual gland, submucosal g
Form	Liquid

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Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 20mM Sodium chloride, 20mM Tris, pH 7.5
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MKHHHHHHAS EAQTETCTVA PRERQNCGFP GVTPSQCANK GCCFDDTVRG VPWCFYPNTI DVPPEEECEF
Sequence Similarities	Contains 1 P-type (trefoil) domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	TFF1 trefoil factor 1 [Homo sapiens]
Official Symbol	TFF1
Synonyms	TFF1; trefoil factor 1; BCEI, breast cancer, estrogen inducible sequence expressed in; D21S21; HP1.A; HPS2; pNR 2; pS2;
Gene ID	7031
mRNA Refseq	NM_003225
Protein Refseq	NP_003216
MIM	113710
Uniprot ID	P04155

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Chromosome Location	21q22.3
Pathway	FOXA1 transcription factor network, organism-specific biosystem;
Function	growth factor activity; protein binding;

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