

## Recombinant Human TFF1, His-tagged

**Cat. No.** TFF1-3568H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TFF1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques(25-84aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	25-84 a.a.
<b>Description</b>	TFF1 (Trefoil factor 1) is member of trefoil family, characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. Trefoil peptides are protease resistant molecules secreted throughout the gut that play a role in mucosal healing. TFF1 has also been detected in a number of carcinomas including cancers of the breast, pancreas and stomach.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl, 0.1mM PMSF
<b>Molecular Mass</b>	9.0 kDa (81aa), confirmed by MALDI-TOF
<b>Purity</b>	> 90 % by SDS-PAGE
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay )
<b>Sequences of amino</b>	MGSSHHHHHH SGLVPRGSH MEAQTETCTV APRERQNCGF PGVTPSQCAN

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**acids** KGCCFDDTVR GVPWCFYPNT IDVPPEEECE F

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** TFF1 trefoil factor 1 [ Homo sapiens ]

**Official Symbol** TFF1

**Synonyms** TFF1; BCEI; D21S21; HP1.A; HPS2; pNR-2; pS2; trefoil factor 1; gastrointestinal trefoil protein pS2; breast cancer estrogen-inducible sequence; Breast cancer estrogen-inducible protein; breast cancer, estrogen-inducible sequence expressed in gastrointestinal trefoil protein pS2; pS2 protein; trefoil factor, BCE1, human pS2 induced by estrogen from human breast cancer cell line M

**Gene ID** 7031

**mRNA Refseq** NM\_003225

**Protein Refseq** NP\_003216

**MIM** 113710

**UniProt ID** P04155

**Chromosome Location** 21q22.3

**Function** growth factor activity

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