

Recombinant Human TFF1, His-tagged

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

SPECIFICATION

Product Overview	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).
Species	Human
Source	E.coli
ProteinLength	25-84 a.a.
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl, 0.1mM PMSF
Molecular Mass	9.0 kDa (81aa), confirmed by MALDI-TOF
Purity	> 90 % by SDS-PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH MEAQTTCTV 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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