

## Product datasheet for **TP723434**

### TFF1 (NM\_003225) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human trefoil factor 1 (TFF1).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	EAQTETCTVA PRERQNCGFP GVTPSQCANK GCCFDDTVRG VPWCFYPNTI DVPPEEECEF
Tag:	Tag Free
Predicted MW:	6.7 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to chemoattract human MCF-7 cells using a concentration 5-10ug/mL.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_003216</a>
Locus ID:	7031
UniProt ID:	<a href="#">P04155</a>
RefSeq Size:	508
Cytogenetics:	21q22.3
RefSeq ORF:	252
Synonyms:	BCEI; D21S21; HP1.A; HPS2; pNR-2; pS2



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**Summary:**

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. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Secreted Protein