

## Product datasheet for **TP723435**

### Spasmolytic Polypeptide (TFF2) (NM\_005423) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human trefoil factor 2 (TFF2).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	AEKSPQCQCS RLSPHNRTNC GFPGITSDQC FDNGCCFDSS VTGVPWCFHP LPKQESDQCV MEVSDRRNCG YPGISPEECA SRKCCFSNFI FEVPWCFFPK SVEDCHY
Tag:	Tag Free
Predicted MW:	12 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Assay #1: Determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 $\mu$ g/ml. Assay #2: Determined by its ability to chemoattract human MCF-7 cells using a concentration range of 1.0-10.0 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/ $\mu$ g of protein (< 1 EU/ $\mu$ g)
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_005414</a>
Locus ID:	7032
UniProt ID:	<a href="#">Q03403</a>
RefSeq Size:	717
Cytogenetics:	21q22.3
RefSeq ORF:	387
Synonyms:	SML1; SP



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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. The encoded protein inhibits gastric acid secretion. 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