

---

## Product Data Sheet

---

Product Name: TFF2 Human, His  
 Cat. No.: GP20938  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	TFF-2; Spasmolytic polypeptide; Spasmolysin; SML1; Trefoil factor 2; SP; TFF2.		
Amino Acid Sequence	MKHHHHHHAS EKSPQCQCSR LSPHNRTNCG FPGITSDQCF DNGCCFDSSV TGVPWCFHPL PKQESDQCVM EVSDRRNCGY PGISPEECAS RKCCFSNFIF EVPWCFFPKSVEDCHY.		
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	The TFF2 protein was lyophilized from 0.4µm filtered solution at a concentration of 0.5mg/ml containing 20mM Tris pH-7.5, and 20mM NaCl.		

### Introduction

Proteins of the TFF family are characterized by obtaining a minimum of 1 copy of the trefoil motif, a 40-amino acid domain that contains 3 conserved disulfides. Trefoil Factors are stable secretory proteins expressed in gastrointestinal mucosa which protect the mucosa from insults, stabilize the mucus layer and affect healing of the epithelium. TFF2 inhibits gastric acid motility & secretion. TFF2 stabilizes glycoproteins in the mucus gel through interactions with carbohydrate side chains.

### Stability

Lyophilized TFF2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution TFF2 should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Background

TFF-2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 116 amino acids (24-129) which includes a 10 amino acid His Tag fused at N-terminus and having a total molecular mass of 13.2 kDa. TFF2 Human Recombinant is purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**