

Bioactive

TFF2 (Human) Recombinant Protein

Catalog # P9196

Size 20 ug

Specification

Product Description	Human TFF2 partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	EKPSPCQCSRLSPHNRTNCGFPGITSDQCFDNGCCFDSSVTGVPWCFHPLPKQESDQCVM EV SDRRNCGYPGISPEECASRKCCFSNFIFVPWCFFPKSVEDCHY
Host	Escherichia coli
Theoretical MW (kDa)	12
Specificity	TFF2 Human
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	chromatographic
Purity	> 97% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	Determined by the ability to chemoattract human MCF-7 cells using a concentration 1.0-10.0 ng/mL.
Storage Buffer	Protein (1 mg/mL) was lyophilized from a solution containing 1X PBS, pH 7.4. Reconstitute the lyophilized powder in ddH ₂ O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

Gene Info — TFF2

Entrez GeneID [7032](#)**Protein Accession#** [Q03403](#)**Gene Name** TFF2**Gene Alias** SML1, SP**Gene Description** trefoil factor 2**Omim ID** [182590](#)**Gene Ontology** [Hyperlink](#)

Gene 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]

Other Designations spasmolysin|spasmolytic polypeptide|spasmolytic protein 1

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Neuroblastoma](#)