

## TFF2 Protein, Human (HEK293, His)

Cat. No.:	HY-P71354
Synonyms:	Trefoil Factor 2; Spasmolysin; Spasmolytic Polypeptide; SP; TFF2; SML1
Species:	Human
Source:	HEK293
Accession:	Q03403 (E24-Y129)
Gene ID:	7032
Molecular Weight:	Approximately 19.0 kDa

### PROPERTIES

AA Sequence	<div> <div>E K P S P C Q C S R</div> <div>T G V P W C F H P L</div> <div>R K C C F S N F I F</div> </div> <div> <div>L S P H N R T N C G</div> <div>P K Q E S D Q C V M</div> <div>E V P W C F F P K S</div> </div> <div> <div>F P G I T S D Q C F</div> <div>E V S D R R N C G Y</div> <div>V E D C H Y</div> </div> <div> <div>D N G C C F D S S V</div> <div>P G I S P E E C A S</div> </div>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	TFF2 protein plays a regulatory role in the gastrointestinal tract by inhibiting both gastrointestinal motility and gastric acid secretion. Its potential involvement as a structural component in gastric mucus is suggested, wherein it might contribute to the stabilization of glycoproteins within the mucus gel through interactions with carbohydrate side chains. This multifaceted function positions TFF2 as a crucial player in maintaining the integrity and homeostasis of the gastric environment.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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