

TFF2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P71355
Synonyms:	Trefoil Factor 2; Spasmolytic polypeptide; SP; Tff2; Sml1; Sp
Species:	Mouse
Source:	HEK293
Accession:	Q03404 (E24-Y129)
Gene ID:	21785
Molecular Weight:	Approximately 14.0 kDa

PROPERTIES

AA Sequence	<p>E K P S P C R C S R L T P H N R K N C G F P G I T S E Q C F D L G C C F D S S V</p> <p>A G V P W C F H P L P N Q E S E Q C V M E V S A R K N C G Y P G I S P E D C A S</p> <p>R N C C F S N L I F E V P W C F F P Q S V E D C H Y</p>
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 ₂ 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 (Trefoil Factor 2) functions as an inhibitor of gastrointestinal motility and gastric acid secretion. It is postulated to serve as a structural constituent of gastric mucus, potentially contributing to the stabilization of glycoproteins within the mucus gel through interactions with carbohydrate side chains, thereby playing a role in maintaining the integrity of the gastric mucosal barrier.
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Caution: Product has not been fully validated for medical applications. For research use only.

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