

Recombinant Mouse TFF2 Protein

Catalog No.: RP02849 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	21785	Q03404

Tags

C-6His

Synonyms

Trefoil Factor 2; Spasmolysin;
Spasmolytic Polypeptide; SP; TFF2; SML1

Product Information

Source	Purification
HEK293 cells	> 95% as determined by reducing SDS-PAGE.

Endotoxin

<1EU/ μ g

Formulation

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Background

Trefoil Factor 2 (TFF2) is a member of the trefoil family and contains two P-type (trefoil) domains. Members of this family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. TFF2 is a secreted protein and specifically expressed in the stomach. TFF2 inhibits gastrointestinal motility and gastric acid secretion. TFF2 could function as a structural component of gastric mucus, possibly by stabilizing glycoproteins in the mucus gel through interactions with carbohydrate side chains.

Basic Information

Description

Recombinant Mouse TFF2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu24-Tyr129) of mouse TFF2 (Accession #CCDS37545.1) fused with a 6xHis tag at the C-terminus.

Bio-Activity

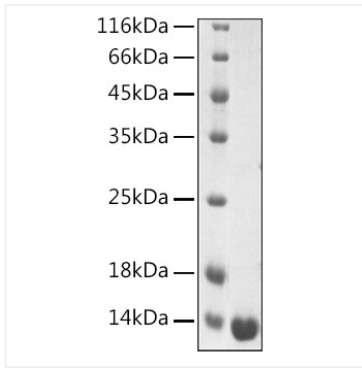
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse TFF2 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 14 KDa.