9051 Mira Mesa Blvd, #910094
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TFF2 Human

Trefoil Factor-2 Human Recombinant
CYK0543

Product Overview

Name	TFF2 Human
Description	
Trefoil Factor-2 Human Recombinant	
Accession (Primary)	Q03403
Synonyms	
TFF-2, Spasmolytic polypeptide, Spasmolysin, SML1, Trefoil factor 2, SP, TFF2.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The TFF2 protein was lyophilized from 0.4 µm filtered solution at a concentration of 1mg/mL containing 1x PBS pH-7.4.	
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 carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
EKPSPCQCSR LSPHNRTNCG FPGITSDQCF DNGCCFDSSV TGVPWCFHPL PKQESDQCVM EVSDRRNCGY PGISPEECAS RKCCFSNFIF EVPWCFFPKSVEDCHY.	

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Biological Activity

Determined by its ability to chemoattract human MCF-7 cells using a concentration 1.0-10.0 ng/ml.

Solubility

It is recommended to reconstitute the lyophilized TFF2 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

TFF2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q03403)