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Datasheet for ABIN4370732

Trefoil Factor 2 Protein (TFF2) (AA 24-129) (His tag)

Overview

Quantity:	50 µg
Target:	Trefoil Factor 2 (TFF2)
Protein Characteristics:	AA 24-129
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Trefoil Factor 2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Trefoil Factor 2/TFF2 (C-6His)
Sequence:	EKPSPCQCSR LSPHNRTNCG FPGITSDQCF DNGCCFDSSV TGVPWCFHPL PKQESDQCVM EVSDRRNCGY PGISPEECAS RKCCFSNFIF EVPWCFFPKS VEDCHYVDHH HHHH
Characteristics:	Recombinant Human Trefoil Factor 2/TFF2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gln24-Tyr129) of Human TFF2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Trefoil Factor 2 (TFF2)
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Target Details

Alternative Name:	TFF2 (TFF2 Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: Trefoil Factor 2, Spasmolysin, Spasmolytic Polypeptide, SP, TFF2, SML1</p>
Molecular Weight:	13 kDa
UniProt:	Q03403

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months