

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Human Trefoil Factor 2 (rHu TFF-2)

Catalog Number: PR1124

Source: Escherichia coli

Quantity: 5µg/20µg/1.0mg

Description

The Trefoil Factor peptides (TFF1, TFF2 and TFF3) are expressed in the gastrointestinal tract, and appear to play an important role in intestinal mucosal defense and repair. TFF2 has been shown to inhibit gastrointestinal motility and gastric acid secretion. Recent data suggests a potential role for TFF2 in acute and chronic asthma (Nikolaidis, N.M. et al. Am. Journal Respir. Cell Mol. Biol. (2003) 4: 458-464).

Molecular Weight:

12.0 kDa, a single non-glycosylated polypeptide chain containing 106 amino acids.

Purity:

>97% by SDS-PAGE and HPLC analyses.

Biological Activity:

Fully biologically active when compared to standard. Determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 µg/ml, corresponding to a Specific Activity of \square 100 IU/mg.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 130mM NaCl.

AA Sequence:

E K P S P C Q C S R L S P H N R T N C G F P G I T S D Q
C F D N G C C F D S S V T G V P W C F H P L P K Q E S

D Q C V M E V S D R R N C G Y P G I S P E E C A S R K
C C F S N F I F E V P W C F F P K S V E D C H Y

Endotoxin:

Less than 1EU/µg of rHuTFF-2 as determined by LAL method.

Reconstitution:

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at \leq -20°C. Further dilutions should be made in appropriate buffered solutions.

Storage:

This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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