

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Human Human Trefoil Factor 3 (rHuTFF-3)

Catalog Number: PR1042

Source: Escherichia coli.

Quantity: 5µg/20µg/1.0mg

Description

The Trefoil Factor peptides (TFF1, TFF2 and TFF3) are secreted in the gastrointestinal tract, and appear to play an important role in intestinal mucosal defense and repair. TFF-3 is expressed by goblet cells and in the uterus, and has also been shown to express in certain cancers, including colorectal, hepatocellular, and in biliary tumors. TFF3 may be useful as a molecular marker for certain types of cancer, but its role, if any, in tumorigenesis is unknown. TFF3 also promotes airway epithelial cell migration and differentiation.

Molecular Weight:

Approximately 6.5 kDa, a single non-glycosylated polypeptide chain containing 59 amino acids.

Purity:

>95% by SDS-PAGE and HPLC analyses.

Biological Activity:

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

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 7.4.

AA Sequence:

EEYVGLSANQCAVPAKDRVDCGYPHV
TPKECNRGCCFDSRIPGV PWCFKPLQ

E A E C T F

Endotoxin:

Less than 1EU/µg of rHuTFF3 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 <-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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