



Trefoil Factor-3, rat recombinant (rrTFF3)

Catalog No: 99944
Lot No: XXXXX
Source: *E. coli*
Synonyms: Trefoil factor 3, Intestinal trefoil factor, rITF, Polypeptide P1.B, rP1.B, Tff3, Itf

Background

The physiological function of RELM- β is not known. High doses of recombinant RELM- β showed hyperglycemic effects including lowered glucose disposal and increased hepatic glucose production in mice.

Description

The Trefoil Factor-3 Rat was constructed as a recombinant protein with a 9 aa C-terminal fusion of Flag-Tag (1 aa N-terminal and 8 aa C-terminal). TFF3 Rat produced in *E. coli* is a 7.7 kDa protein containing a total of 68 amino acid residues.

Physical Appearance

Sterile filtered, white, lyophilized (freeze-dried) powder.

Formulation

TFF3 protein filtered (0.4 μ m) and lyophilized in 0.5 mg/ml in 20 mM TRIS and 50 mM NaCl, pH 7.5.

Solubility

It is recommended to add 200 μ l deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. The product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time. It does not show any change after two weeks at 4°C.

Amino Acid Sequence

`MQEFVGLSPS QCMVPANVRV DCGYPTVTSE QCNNRGCCFD SSIPNVPWCF KPLQETECT FDYKDDDDK`

Usage

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