9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

TFF3 Rat

Trefoil Factor-3 Rat Recombinant
CYK0547

Product Overview

Name	TFF3 Rat
Description	
Trefoil Factor-3 Rat Recombinant	
Accession (Primary)	Q03191
Synonyms	
Trefoil factor 3, Intestinal trefoil factor, rITF, Polypeptide P1.B, rP1.B, Tff3, Itf.	
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. TFF3 induces ciliogenesis and promotes airway epithelial ciliated cell differentiation, relatively through an epidermal growth factor receptor-dependent pathway. TFF3 overexpression is crucial for progression in mouse and human hepatocellular carcinogenesis. TFF-3 is normally expressed in hepatocellular carcinoma and its expression associates with tumor grade.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
TFF3 protein filtered (0.4 µm) and lyophilized in 0.5mg/ml in 20mM TRIS and 50mM NaCl, pH 7.5.	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	

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MQEFVGLSPS QCMVPANVRV DCGYPTVTSE QCNNRGCCFD SSIPNVPWCF KPLQETECT F DYKDDDDK .

Solubility

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

Precautions

TFF3 Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q03191)