9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TFF3 Human, His

Trefoil Factor-3 Human Recombinant, His Tag
CYK0546

Product Overview

Name	TFF3 Human, His
Description	
Trefoil Factor-3 Human Recombinant, His Tag	
Accession (Primary)	Q07654
Synonyms	
TFF-3, ITF, TFI, HITF, hP1.B, TFF3, Trefoil factor 3, Intestinal trefoil factor.	
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	
White lyophilized (freeze-dried) powder.	
Formulation	
The TFF3 protein was lyophilized from 0.4 µm filtered solution at a concentration of 0.5mg/mL containing 20mM Tris pH-7.5 and 150mM NaCl.	
Stability	
Lyophilized TFF3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TFF3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as by SDS-PAGE.	

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Amino acid sequence

MKHHHHHHAS EEYVGLSANQ CAVPAKDRVD CGYPHVTPKE CNNRGCCFDS RIPGVPWCFK PLQEAECTF.

Solubility

Add deionized water to a working concentration approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by appropriate sterile filter before using it in the cell culture.

Precautions

TFF3 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q07654)