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

TFF1 Human, His

Trefoil Factor-1 Human Recombinant, His Tag
CYK0542

Product Overview

Name	TFF1 Human, His
Description	
Trefoil Factor-1 Human Recombinant, His Tag	
Accession (Primary)	P04155
Synonyms	
TFF-1, TFF1, pS2, BCEI, HPS, HP1.A, pNR-2, D21S21, pS2 protein, Trefoil factor 1, Breast cancer estrogen-inducible protein.	
Introduction	
The Trefoil Factor peptides (TFF1, TFF2 and TFF3) are stable secretory proteins expressed in the gastrointestinal tract (gastric mucosa), and are involved in intestinal mucosal defense and repair. TFF1 is an essential protein for normal differentiation of the antral and pyloric gastric mucosa and functions as a gastric-specific tumor suppressor gene. TFF1 is a stabilizer of the mucous gel overlying the gastrointestinal mucosa that provides a physical barrier against various noxious agents. TFF1 protects the mucosa from isults, stabilizes the mucus layer, & affects healing of the epithelium. TFF1 is commonly expressed in tumors. TFF1 is related with the cell membrane of MCF-7 cells. High levels of TFF1 and TFF2 are found in serum from inflammatory bowel disease.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The TFF1 His Tag protein was lyophilized from 0.4 μm filtered solution at a concentration of 0.5mg/ml containing 20mM Tris pH-7.5 and 20mM NaCl.	
Stability	
Lyophilized TFF1 His Tag although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TFF1 His Tag 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 determined by SDS-PAGE.	

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

Amino acid sequence

MKHHHHHHAS EAQTETCTVA PRERQNCGFP GVTPSQCANK GCCFDDTVRG VPWCFYPNTI DVPPEEECEF.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/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

TFF1 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P04155)