

Recombinant Human TFF3

Cat. No. TFF3-31608TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length mature Human Trefoil Factor 3; amino acids 22-80, 13.2kDa.
Species	Human
Source	E.coli
Description	Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer and affect healing of the epithelium. This gene is expressed in goblet cells of the intestines and colon. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21.
Tissue specificity	Expressed in goblet cells of the intestines and colon (at protein level). Expressed by goblet cells of small and large intestinal epithelia and also by the uterus.
Biological activity	Biological Activity : Determined by its ability to chemoattract human MCF-7 cells using a concentration range of 1.0-10.0 µg/ml.
Form	Lyophilised: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing

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Purity	>95% by SDS-PAGE
Storage	The lyophilized protein is stable at room temperature for up to 1 month. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C. Avoid repeated freeze/thaw cycles. See reconstitution notes
Sequences of amino acids	EEYVGLSANQ CAVPAKDRVD CGYPHVTPKE CNNRGCCFDS RIPGVPWCFK PLQEAECTF
Sequence Similarities	Contains 1 P-type (trefoil) domain.
GENE INFORMATION	
Gene Name	TFF3 trefoil factor 3 (intestinal) [Homo sapiens]
Official Symbol	TFF3
Synonyms	TFF3; trefoil factor 3 (intestinal); trefoil factor 3; HITF; ITF;
Gene ID	7033
mRNA Refseq	NM_003226
Protein Refseq	NP_003217
MIM	600633
Uniprot ID	Q07654
Chromosome Location	21q22.3

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Pathway	HIF-1-alpha transcription factor network, organism-specific biosystem; IL4-mediated signaling events, organism-specific biosystem;
Function	molecular_function;

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