

Bioactive

## TFF3 (Human) Recombinant Protein

Catalog # P9198

Size 20 ug

### Specification

Product Description	Human TFF3 recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	EEYVGLSANQCAVPAKDRVDCGYPHVTPKECNNRGCCFDSRIPGVPWC FKPLQEAECTF
Host	Escherichia coli
Theoretical MW (kDa)	13.2
Specificity	TFF3 Human
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	chromatographic
Purity	> 97% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	ED <sub>50</sub> < 10 ug/mL, measured by a chemotaxis bioassay using human MCF-7 cells, corresponding to a specific activity > 100 IU/mg.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 7.4. Reconstitute the lyophilized powder in ddH <sub>2</sub> O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

### Applications

- Functional Study

## Gene Info — TFF3

Entrez GeneID	<a href="#">7033</a>
Protein Accession#	<a href="#">Q07654</a>
Gene Name	TFF3
Gene Alias	HITF, ITF, TFI, hP1.B
Gene Description	trefoil factor 3 (intestinal)
Omim ID	<a href="#">600633</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. [provided by RefSeq]
Other Designations	intestinal trefoil factor secretory protein trefoil factor 3 trefoil factor 3, HITF, human intestinal trefoil factor

## Disease

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