

Bioactive

TFF3 (Human) Recombinant Protein

Catalog # P9199

Size 20 ug

Specification

Product Description	Human TFF3 partial recombinant protein with His tag in N-terminus expressed in <i>Escherichia coli</i> .
Sequence	MKHHHHHHASEEYVGLSANQCAVPAKDRVDCGYPHVTPKECNNRGCCFDSRIPGVPWCFKPLQEAECTF
Host	Escherichia coli
Theoretical MW (kDa)	7.82
Specificity	TFF3 Human, His
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	chromatographic
Purity	> 95% as determined by SDS-PAGE.
Activity	The effective concentration is 10.0-100.0 ng/mL, determined by a chemoattract bioassay using human monocytes.
Storage Buffer	Protein (0.5 mg/mL) was lyophilized from a solution containing 20 mM Tris-HCl, pH 7.5, 150 mM NaCl. Reconstitute the lyophilized powder in ddH ₂ O to 0.5mg/mL, and is not sterile! Please filter the product by a sterile filter before use. In higher concentrations the solubility of this antigen is limited.
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	7033
Protein Accession#	Q07654
Gene Name	TFF3
Gene Alias	HITF, ITF, TFI, hP1.B
Gene Description	trefoil factor 3 (intestinal)
Omim ID	600633
Gene Ontology	Hyperlink
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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