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 *Escherichia coli*.
Sequence	MKHHHHHHASEEYVGLSANQCAVPAKDRVDCGYPHVTPKECNNRGCCFDSRIPGVPWCFKPL QEAECTF
Host	Escherichia coli
Theoretical MW (kDa)	7.82
Specificity	TFF3 Human, His
Form	Lyophilized
Preparation Method	*Escherichia coli* 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 huma n monocytes.
Storage Buffer	Protein (0.5 mg/mL) was lyophilized from a solution containing 20 mM Tris-HCl, pH 7.5, 150 mM Na Cl. Reconstitute the lyophilized powder in ddH_2O to 0.5mg/mL, and is not sterile! Please filter the pro duct by an 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

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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 e xpressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the muc osa from insults, stabilize the mucus layer and affect healing of the epithelium. This gene is expres sed in goblet cells of the intestines and colon. This gene and two other related trefoil family memb er 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 f actor

Disease

- Genetic Predisposition to Disease
- Lung Neoplasms
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome

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