Bioactive

TFF1 (Human) Recombinant Protein

Catalog # P9194 Size 20 ug

Specification

Product Description	Human TFF1 recombinant proteind expressed in *Escherichia coli*..
Sequence	EAQTETCTVAPRERQNCGFPGVTPSQCANKGCCFDDTVRGVPWCFYPNTIDVPPEEECEF.
Host	Escherichia coli
Theoretical MW (kDa)	13.2
Specificity	TFF1 Human
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 97% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	ED_{50} < 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 20 mM PB, pH 7.4, 150 mM NaCl. Reconstitute the lyophilized powder in ddH_2O 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

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Gene Info — TFF1

Entrez GeneID	7031
Protein Accession#	P04155
Gene Name	TFF1
Gene Alias	BCEI, D21S21, HP1.A, HPS2, pNR-2, pS2
Gene Description	trefoil factor 1
Omim ID	113710
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, which is expressed in the gastric mucosa, has also been studied because of its expression in human tumo rs. This gene and two other related trefoil family member genes are found in a cluster on chromos ome 21. [provided by RefSeq
Other Designations	breast cancer estrogen-inducible sequence|gastrointestinal trefoil protein pS2

Disease

- Cerebral Hemorrhage
- Chronic Disease
- Genetic Predisposition to Disease
- Hypertension
- Intracranial Hemorrhages
- Kidney Calculi
- Kidney Diseases
- Lung Neoplasms
- Pulmonary Disease
- Stroke

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- Subarachnoid Hemorrhage
- Urinary Bladder Neoplasms
- Werner syndrome

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