TFF2 (Human) Recombinant Protein

Catalog # P9197 Size 20 ug

Specification

Product Description	Human TFF2 partial recombinant protein with His tag in N-terminus expressed in *Escherichia coli*.
Sequence	MKHHHHHHASEKPSPCQCSRLSPHNRTNCGFPGITSDQCFDNGCCFDSSVTGVPWCFHPLPK QESDQCVMEVSDRRNCGYPGISPEECASRKCCFSNFIFEVPWCFFPKSVEDCHY
Host	Escherichia coli
Theoretical MW (kDa)	13.2
Specificity	TFF2 Human, His
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 95% as determined by SDS-PAGE.
Storage Buffer	Protein(0.5 mg/mL) was lyophilized from a solution containing 20 mM Tris-HCl, pH 7.5, 20 mM NaCl. Reconstitute the lyophilized powder in ddH_2O to 0.5mg/mL, and is not sterile! Please filter the produc t 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

- SDS-PAGE

Gene Info — TFF2

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Entrez GeneID	7032
Protein Accession#	Q03403
Gene Name	TFF2
Gene Alias	SML1, SP
Gene Description	trefoil factor 2
Omim ID	182590
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. The encoded protei n inhibits gastric acid secretion. This gene and two other related trefoil family member genes are f ound in a cluster on chromosome 21. [provided by RefSeq
Other Designations	spasmolysin|spasmolytic polypeptide|spasmolytic protein 1

Disease

- Alzheimer disease
- Cerebral Amyloid Angiopathy
- Genetic Predisposition to Disease
- Neuroblastoma

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