

Trefoil Factor-2 Active Protein | TFF2 active protein

Recombinant Human Trefoil Factor-2

CATALOG # AAA38603	HOST E Coli
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PRODUCT SYNONYMS

Trefoil Factor-2; Recombinant Human Trefoil Factor-2; TFF2 Human; Trefoil Factor-2 Human Recombinant; TFF-2; Spasmolytic polypeptide; Spasmodysin; SML1; Trefoil factor 2; SP; TFF2; TFF2 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 97.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The TFF2 protein was lyophilized from 0.4um filtered solution at a concentration of 1mg/mL containing 1x PBS pH-7.4. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	EKPSPQCQCSR LSPHNRTNCG FPGITSDQCF DNGCCFDSSV TGVPWCFHPL PKQESDQCVM EVSDRRNCGY PGISPEECAS RKCCFSNFIF EVPWCFFPKS VEDCHY
Sequence Length	129
Solubility	It is recommended to reconstitute the lyophilized TFF2 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Determined by its ability to chemoattract human MCF-7 cells using a concentration 1.0-10.0 ng/ml.
Preparation and Storage	Lyophilized TFF2 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution TFF2 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for TFF2 active protein	Description: TFF-2 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 106 amino acids (24-129) and having a total molecular mass of 12 kDa. TFF2 Human Recombinant includes a 40-amino acid trefoil motif containing three conserved intramolecular disulfide bonds and was purified by proprietary chromatographic techniques. Introduction: Proteins of the TFF family are characterized by obtaining a minimum of 1 copy of the trefoil motif, a 40-amino acid domain that contains 3 conserved disulfides. Trefoil Factors are stable secretory proteins expressed in gastrointestinal mucosa which protect the mucosa from insults, stabilize the mucus layer and affect healing of the epithelium. TFF2 inhibits gastric acid motility & secretion. TFF2 stabilizes glycoproteins in the mucus gel through interactions with carbohydrate side chains.
Product Categories/Family for TFF2 active protein	Cytokines and Growth Factors; Cytokines; Trefoil Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885629
NCBI GeneID	7032

NCBI Accession #	NP_005414.1
NCBI GenBank Nucleotide #	NM_005423.4
UniProt Accession #	Q03403 ; Q15854
NCBI Official Full Name	trefoil factor 2
NCBI Official Synonym Full Names	trefoil factor 2
NCBI Official Symbol	TFF2
NCBI Official Synonym Symbols	SP; SML1
NCBI Protein Information	trefoil factor 2; spasmodysin; spasmodytic polypeptide; spasmodytic protein 1
UniProt Protein Name	Trefoil factor 2
UniProt Gene Name	TFF2
UniProt Synonym Gene Names	SML1; SP
UniProt Entry Name	TFF2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-tff2-active-protein/trefoil-factor-2/38603>