

Recombinant Human TFF1 protein, His & GST-tagged

Cat. No. TFF1-1435H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TFF1 aa. (Met1~Phe84 (Accession # P04155)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Phe84
Description	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, which is expressed in the gastric mucosa, has also been studied because of its expression in human tumors. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21.
Form	Freeze-dried powder
Molecular Mass	36kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method).
Purity	> 95%

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Characteristic	The isoelectric point is 5.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	TFF1 trefoil factor 1 [Homo sapiens (human)]
Official Symbol	TFF1
Synonyms	pS2; BCEI; HPS2; HP1.A; pNR-2; D21S21; breast cancer estrogen-inducible protein; breast cancer estrogen-inducible sequence; gastrointestinal trefoil protein pS2; polypeptide P1.A; protein pS2; trefoil factor 1
Gene ID	7031
mRNA Refseq	NM_003225.2
Protein Refseq	NP_003216.1

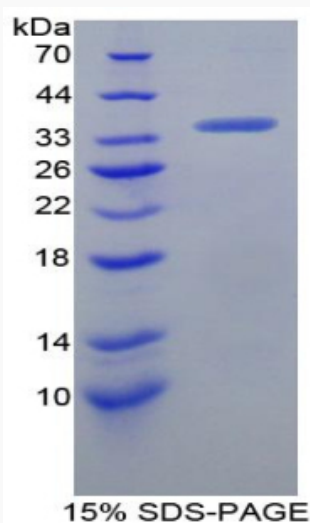
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UniProt ID P04155

SDS-PAGE



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