Trefoil Factor 3, Intestinal (TFF3) Recombinant Protein | TFF3 recombinant protein

Recombinant Trefoil Factor 3, Intestinal (TFF3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA134277	**E Coli**	**Canine (Dog)**	**Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page**

PRODUCT SYNONYMS

Trefoil Factor 3; Intestinal (TFF3); Recombinant Trefoil Factor 3; TFF3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Canine (Dog)
Purity/Purification	>98%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300
Concentration	200ug/mL (varies by lot)
Applicable Applications for TFF3 recombinant protein	IP (CoImmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Source	Prokaryotic expression
Residues	Tyr24~Phe80
Tags	N-terminal His-Tag
Tissue Specificity	Intestine
Subcellular Location	Secreted, extracellular space, extracellular matrix, apical lamina
Traits	Freeze-dried powder
Predicted isoelectric point	5.9
Predicted Molecular Mass	7.7kDa
Accurate Molecular Mass	13kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for two years. **Stability Test:** 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 degree 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.

IMAGES

SDS-PAGE

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	50950221
NCBI GeneID	403488
NCBI Accession #	NP_001002990.1
NCBI GenBank Nucleotide #	NM_001002990.1
UniProt Accession #	Q863B4
NCBI Official Full Name	trefoil factor 3
NCBI Official Symbol	TFF3
NCBI Official Synonym Symbols	ITF
NCBI Protein Information	trefoil factor 3; intestinal trefoil factor; trefoil factor family peptide 3
UniProt Protein Name	Trefoil factor 3
UniProt Gene Name	**TFF3**
UniProt Synonym Gene Names	ITF
UniProt Entry Name	TFF3_CANFA

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/tff3-recombinant-protein-e-coli-ip-coimmunoprecipitation-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134277