

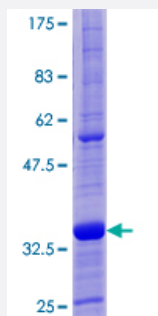
## Full-Length

# TFF1 (Human) Recombinant Protein (P01)

Catalog # H00007031-P01

Size 25 ug, 10 ug

## Applications



## Specification

|                         |                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------|
| Product Description     | Human TFF1 full-length ORF ( AAH32811.1, 1 a.a. - 84 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence                | MATMENKVICALVLVSMLALGTLAEAQTTCTVAPRERQNCGFPGVTPSQCANKGCCFDDTVRG<br>VPWCFYPNTIDVPPEEECEF                    |
| Host                    | Wheat Germ (in vitro)                                                                                      |
| Theoretical MW (kDa)    | 34.98                                                                                                      |
| Preparation Method      | <a href="#">in vitro wheat germ expression system</a>                                                      |
| Purification            | Glutathione Sepharose 4 Fast Flow                                                                          |
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                |
| Storage Buffer          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                   |
| Storage Instruction     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                            |
| Note                    | Best use within three months from the date of receipt of this protein.                                     |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — TFF1

Entrez GeneID [7031](#)

GeneBank Accession# [BC032811](#)

Protein Accession# [AAH32811.1](#)

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 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. [provided by RefSeq]

**Other Designations** breast cancer estrogen-inducible sequence|gastrointestinal trefoil protein pS2

## Publication Reference

- [Pathophysiological Investigation of the Gastric Surface Mucous Gel Layer of Patients with Helicobacter pylori Infection by Using Immunoassays for Trefoil Factor Family 2 and Gastric Gland Mucous Cell-Type Mucin in Gastric Juice.](#)

Kubota S, Yamauchi K, Sugano M, Kawasaki K, Sugiyama A, Matsuzawa K, Akamatsu T, Ohmoto Y, Ota H.

Digestive Diseases and Sciences 2011 Dec; 56(12):3498.

Application: ELISA, Human, Gastric juice

- [The aurora kinase A regulates GSK-3 \$\beta\$ \] in gastric cancer cells.](#)

Dar AA, Belkhiri A, El-Rifai W.

Oncogene 2009 Feb; 28(6):866.

Application: KA, Recombinant protein

## Disease

- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Calculi](#)
- [Kidney Diseases](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)