

**TFF1 Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP22076c****Specification**

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**TFF1 Blocking Peptide (Center) - Product Information**Primary Accession [P04155](#)**TFF1 Blocking Peptide (Center) - Additional Information****Gene ID** 7031**Other Names**

Trefoil factor 1, Breast cancer estrogen-inducible protein, PNR-2, Polypeptide P1.A, hP1.A, Protein pS2, TFF1, BCEI, PS2

**Target/Specificity**

The synthetic peptide sequence is selected from aa 31-40 of HUMAN TFF1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TFF1 Blocking Peptide (Center) - Protein Information****Name** TFF1**Synonyms** BCEI, PS2**Function**

Stabilizer of the mucous gel overlying the gastrointestinal mucosa that provides a physical barrier against various noxious agents. May inhibit the growth of calcium oxalate crystals in urine.

**Cellular Location**

Secreted

**Tissue Location**

Found in stomach, with highest levels in the upper gastric mucosal cells (at protein level). Detected in goblet cells of the small and large intestine and rectum, small submucosal glands in the esophagus, mucous acini of the sublingual gland, submucosal glands of the trachea, and epithelial cells lining the exocrine pancreatic ducts but not in the remainder of the pancreas (at protein level) Scattered expression is detected in the epithelial cells of the gallbladder and

submucosal glands of the vagina, and weak expression is observed in the bronchial goblet cells of the pseudostratified epithelia in the respiratory system (at protein level). Detected in urine (at protein level). Strongly expressed in breast cancer but at low levels in normal mammary tissue. It is regulated by estrogen in MCF-7 cells. Strong expression found in normal gastric mucosa and in the regenerative tissues surrounding ulcerous lesions of gastrointestinal tract, but lower expression found in gastric cancer (at protein level).

### **TFF1 Blocking Peptide (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **TFF1 Blocking Peptide (Center) - Images**

### **TFF1 Blocking Peptide (Center) - Background**

Stabilizer of the mucous gel overlying the gastrointestinal mucosa that provides a physical barrier against various noxious agents. May inhibit the growth of calcium oxalate crystals in urine.

### **TFF1 Blocking Peptide (Center) - References**

Jakowlew S.B., et al. Nucleic Acids Res. 12:2861-2878(1984).  
Prud'Homme J.-F., et al. DNA 4:11-21(1985).  
Jeltsch J.-M., et al. Nucleic Acids Res. 15:1401-1414(1987).  
Takahashi H., et al. FEBS Lett. 261:283-286(1990).  
Mori K., et al. J. Biochem. 107:73-76(1990).