

# Human TFF1 Recombinant Protein



RPPB0960

---

## Product Information    Protein Information

**Product SKU:**

RPPB0960

**Accession:**

P04155

**Host:**

Escherichia Coli.

**Protein description:**

TFF-1 Human Recombinant produced in E.Coli is a homodimer, non-glycosylated, polypeptide chain containing 2 x 60 amino acids which includes a 40 amino acid trefoil motif containing 3 conserved intramolecular disulfide bonds and having a total molecular mass of 13.2 kDa. TFF-1 Human Recombinant is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

TFF-1, TFF1, pS2, BCEI, HPS, HP1.A, pNR-2, D21S21, pS2 protein, Trefoil factor 1, Breast cancer estrogen-inducible protein.

**Formulation:**

The Human TFF1 protein was lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4 and 150mM NaCl.

**Purity:**

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized TFF1 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized TFF1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TFF1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

EAQTETCTVAPRERQNCGFPGVTPSQCANKGCCFDDTVRGVPWCFYPNTIDVPPEEECEF.

**Biological Activity:**

The ED50 as determined by a chemotaxis bioassay using human MCF-7 cells is less than 10µg/ml, corresponding to a specific activity of >100 IU/mg.