



Recombinant Protein Technical Manual
Recombinant Human Trefoil Factor 2/TFF2 Protein
(His Tag)
RPES1278

Product Data:

Product SKU: RPES1278

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q03403

Protein Information:

Molecular Mass: 13 kDa

AP Molecular Mass: 19 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Trefoil Factor 2; Spasmolysin; Spasmolytic Polypeptide; SP; TFF2; SML1

Immunogen Information:

Sequence: Gln24-Tyr129

Background:

Trefoil Factor 2 (TFF2) is a member of the trefoil family and contains two P-type (trefoil) domains. Members of this family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. TFF2 is a secreted protein and specifically expressed in the stomach. TFF2 inhibits gastrointestinal motility and gastric acid secretion. TFF2 could function as a structural component of gastric mucus, possibly by stabilizing glycoproteins in the mucus gel through interactions with carbohydrate side chains.