

Recombinant Human TFF2

Cat No:HR2R1992

For research use only

Overview

Quantity	20 ?g
Gene Symbol	TFF2
Gene ID	7032
Accession	Q03403
Alternative Name	TFF2, Spasmolysin, Spasmolytic polypeptide, SP Recombinant Human Trefoil Factor 2 (TFF2)
Species	Human
Source	E. coli
Description	Found in the gastrointestinal tract, the three Trefoil proteins, TFF1, 2, and 3 have been shown to play an important role in intestinal mucosal defence and repair. Specifically, TFF2 has been shown to inhibit gastrointestinal motility and secretion of the gastric acid.
Functions	The ED(50) was determined by the dose-dependent proliferation of immortalized human pancreatic cells and was found to be <math>\approx 5\text{ng/mL}</math>.
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS
Solubility	Reconstitute at 100 ?g/mL in sterile PBS
Appearance	Lyophilized Powder
Molecular Weight	12.3
Purity	>95% as determined by SDS-PAGE
Concentration	<math>< 1.0\text{ EU/?g}</math> of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C . Upon reconstitution, this cytokine can be stored in working aliquots at $2^{\circ} - 8^{\circ}\text{C}$ for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.