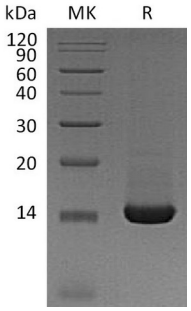
Product Name: Recombinant Mouse TFF2 (C-6His)
Catalog #: PHM1617

Summary

Name	TFF2/Trefoil factor 2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Trefoil Factor 2 is produced by our Mammalian expression system and the target gene encoding Glu24-Tyr129 is expressed with a 6His tag at the C-terminus.
Accession #	Q03404
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	12.7 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names	Trefoil Factor 2; Spasmolytic polypeptide; SP; Tff2; Sml1; Sp
Background	Recombinant Murine TFF-2 is an 11.9 kDa polypeptide of 106 amino acid residues, which includes a 40-amino acid trefoil motif containing three conserved intramolecular disulfide bonds. The Trefoil Factor peptides (TFF1, TFF2 and TFF3) are expressed in the gastrointestinal tract, and appear to play an important role in intestinal mucosal defense and repair. TFF2 has been shown to inhibit gastrointestinal motility and gastric acid secretion. Recent data suggests a potential role for TFF2 in acute and chronic asthma. It inhibits gastrointestinal motility and gastric acid secretion. As a structural component of gastric mucus, it possibly by stabilizing glycoproteins in the mucus gel through interactions with carbohydrate side chains.

Note

For Research Use Only , Not for Diagnostic Use.