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Product Datasheet

Recombinant Mouse TFF1 (C-6His) EBT-EPT100

Article Name	Recombinant Mouse TFF1 (C-6His)
Biozol Catalog Number	EBT-EPT100
Supplier Catalog Number	EPT100
Alternative Catalog Number	EBT-EPT100-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Mouse Trefoil Factor 1 is produced by our Mammalian expression system and the target gene encoding Gln22-Phe87 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 8.3 KDa. Apparent molecular weight: 15 KDa, reducing conditions
UniProt	Q08423
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: 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.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: Trefoil Factor 1 (TFF1) belongs to the three structurally related secreted proteins that contain trefoil domains. TFF1 is an approximately peptide that has an important effect in epithelial regeneration and wound healing. It originates from musculus and highly expressed by goblet cells of the gastric and intestinal mucosa and by conjunctival goblet cells. TFF1 is a copper-binding protein that can form disulfide-linked homodimers, associate into disulfide-linked complexes with Gastrokine 2, and form non-covalent complexes with the mucin MUC5AC. TFF1 is down-regulated during the progression from gastritis to gastric dysplasia to gastric cancer, although it is up-regulated in breast and prostate cancers. TFF1 inhibits the formation of calcium oxalate crystals, and its excretion in the urine is reduced in patients with kidney stones