Datasheet for ABIN7320766

TFF1 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	TFF1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TFF1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Trefoil Factor 1/TFF1 Protein (His Tag)
Sequence:	Gln22-Phe87
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TFF1
Alternative Name:	Trefoil Factor 1/TFF1 (TFF1 Products)
Background:	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

Target Details

	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. Synonym: Trefoil factor 1, Protein pS2, Tff1, Bcei, Ps2
Molecular Weight:	8.3 kDa
UniProt:	Q08423
Pathways:	EGFR Signaling Pathway

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, 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.