

Product datasheet for **TP726837**

Tff1 Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant Mouse Trefoil Factor 1/TFF1 (C-6His) |
| Species: | Mouse |
| Expression cDNA Clone or AA Sequence: | Gln22-Phe87 |
| Tag: | C-His |
| Buffer: | Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4. |
| Note: | 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. |
| Storage: | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Stability: | 12 months from date of despatch |
| Locus ID: | 21784 |
| UniProt ID: | Q08423 |
| Synonyms: | Trefoil factor 1; Protein pS2; Tff1; Bcej; Ps2 |
| Summary: | 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. |



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