

TFF3 Protein, Human

Cat. No.:	HY-P7295
Synonyms:	rHuTFF-3; ITF; TFI
Species:	Human
Source:	E. coli
Accession:	Q07654 (E22-F80)
Gene ID:	7033
Molecular Weight:	Approximately 6.6 kDa

PROPERTIES

AA Sequence	E E Y V G L S A N Q C A V P A K D R V D C G Y P H V T P K E C N N R G C C F D S R I P G V P W C F K P L Q E A E C T F
Biological Activity	The ED ₅₀ is <10 µg/mL as measured by human MCF-7 cells, corresponding to a specific activity of >100 units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Human Trefoil Factor-3 is a regulatory peptide involved in mucosal protection and repair in the gastrointestinal tract. TFF3 is predominantly present in the mucous cells of the small and large intestine. TFF3 also has potential therapeutic role of in NEC ^[1] .
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REFERENCES

[1]. Zhang BH, et al. The therapeutic effect of recombinant human trefoil factor 3 on hypoxia-induced necrotizing enterocolitis in immature rat. Regul Pept. 2003 Nov 15;116(1-3):53-60.

Caution: Product has not been fully validated for medical applications. For research use only.

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