

TFF3 Protein, Human (P. pastoris, His)

Cat. No.:	HY-P700523
Synonyms:	TFF3; trefoil factor 3 (intestinal); ITF; Polypeptide P1.B; TFI; HITF; trefoil factor 3, HITF, human intestinal trefoil factor; OTTHUMP00000109349; P1B; trefoil factor 3; hITF; hP1.B; Intestinal trefoil factor
Species:	Human
Source:	P. pastoris
Accession:	Q07654 (L29-V80)
Gene ID:	7033
Molecular Weight:	7.5 kDa

PROPERTIES

AA Sequence	<div> <div> L L S S S S A E E Y R G C C F D S R I P </div> <div> V G L S A N Q C A V G V </div> <div> P A K D R V D C G Y </div> <div> P H V T P K E C N N </div> </div>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
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.
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	<p>TFF3 Protein plays a pivotal role in the maintenance and repair of the intestinal mucosa, actively participating in healing processes by promoting the mobility of epithelial cells as a motogen. Existing both as a monomer and a homodimer, the disulfide-linked homodimeric form suggests a potential collaborative enhancement of its functions. While functioning as a monomer, TFF3 likely exerts individual effects, and as a homodimer, it may synergistically contribute to the dynamic cellular responses crucial for the integrity and restoration of the intestinal lining. The multifaceted nature of TFF3 underscores its significance in orchestrating the intricate balance of mucosal maintenance and repair within the gastrointestinal tract.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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