

TFF3 Protein, Canine (HEK293, His)

Cat. No.:	HY-P700527
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:	Canine
Source:	HEK293
Accession:	Q863B4 (Y24-F80)
Gene ID:	403488
Molecular Weight:	9.2 kDa

PROPERTIES

AA Sequence	Y Q G L A T N L C E V P P K D R V D C G Y P E I T S E Q C V N R G C C F D S S I H G V P W C F K P L Q D T E C R F
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	The TFF3 Protein is intricately involved in the maintenance and repair of the intestinal mucosa, playing a pivotal role in promoting the mobility of epithelial cells during healing processes, acting as a motogen. The protein exists as a monomer and can form homodimers through disulfide linkages. This dimeric structure underscores its potential role in mediating interactions crucial for its functional activities. TFF3's participation in mucosal repair highlights its significance in contributing to the dynamic processes that maintain the integrity and functionality of the intestinal lining.
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Caution: Product has not been fully validated for medical applications. For research use only.

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