

TFF3 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P71356
Synonyms:	Trefoil factor 3; Intestinal trefoil factor; mITF; Tff3; Itf
Species:	Mouse
Source:	HEK293
Accession:	Q62395 (A23-F81)
Gene ID:	21786
Molecular Weight:	Approximately 11.0 kDa

PROPERTIES

AA Sequence	A D Y V G L S P S Q C M V P A N V R V D C G Y P S V T S E Q C N N R G C C F D S S I P N V P W C F K P L Q E T E C T F
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 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	TFF3 Protein plays a vital role in the maintenance and repair of the intestinal mucosa, actively contributing to the healing processes by promoting the mobility of epithelial cells, acting as a motogen. As a monomer, TFF3 exhibits individual functional properties, while its homodimeric form, connected by disulfide bonds, likely enhances its capabilities in facilitating cellular responses crucial for the integrity and restoration of the intestinal lining. The involvement of TFF3 in these processes underscores its significance in the dynamic mechanisms of mucosal homeostasis and repair within the gastrointestinal tract.
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Caution: Product has not been fully validated for medical applications. For research use only.

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