

Recombinant Human Trefoil factor 3/TFF3 protein (GST,His tag)



Catalog Number:PDEH100421

Note: Centrifuge before opening to ensure complete recovery of vial contents.

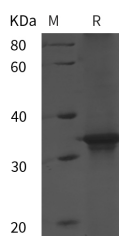
Description

Synonyms	Trefoil factor 3;TFF3;Intestinal trefoil factor (hITF)
Species	Human
Expression Host	E.coli
Sequence	Glu 22- Phe 80
Accession	Q07654
Calculated Molecular Weight	31.4 kDa
Observed molecular weight	25 kDa
Tag	N-GST & C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Trefoil Factor 3 (TFF3) is one of three trefoil peptides secreted by epithelial cells that line mucus membranes. Trefoils contribute to protection and repair of the gastrointestinal tract. TFF3 is secreted by mucus-producing goblet cells in the large and small intestines and lower respiratory tract. It is mainly active as a disulfide-linked homodimer. The mature 59 aa, 6.5 kDa human TFF3 contains one trefoil structure formed by intramolecular disulfides and shows 76% aa identity with mouse TFF3.

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