

## TFF1 Protein, Human, Recombinant (His)

### General Information

Synonyms:	trefoil factor 1;HP1.A;HPS2;pNR-2;D21S21;pS2;BCEI
Protein Construction:	A DNA sequence encoding the human TFF1 (NP_003216.1) (Met1-Phe84) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Glu 25
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P04155
Molecular Weight:	8.1 kDa (predicted)
AA Sequence:	EAQTETCTVAPRERQNCGFPQVTPSQCANKGCCFDDTVRGVPWCYPNTIDVPPPEEECEFAHHHHHHHHHH

### QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

#### Reconstitution:

Reconstituted with sterile deionized water to 0.25 mg/mL. Reconstitution conditions may vary depending on the lot.

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481