



**RayBiotech, Inc.**

The protein array pioneer company

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## Certificate of Analysis and Data Sheet

### Recombinant Human Treffol factor 1 (TFF1)

[Product Catalog # 230-00253](#)

#### **Synonyms**

TFF-1, TFF1, pS2 protein, Trefoil factor 1,  
Breast cancer estrogen-inducible protein.

#### **Source**

- *Escherichia coli* derived.
- Protein Accession #. AAX41076 (Glu25-Phe84)

#### **Predicted Molecular Mass**

~ 10 kDa.

#### **Purity**

>95%, determined by SDS-PAGE under reducing conditions and visualized by  
Commassie blue staining (See the image above).

#### **Formulation**

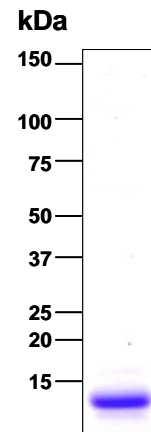
Lyophilized from a 0.2  $\mu$ m filtered solution in 100 mM NaH<sub>2</sub>PO<sub>4</sub>, 10 mM Tris-HCl (pH 8), 100 mM imidazole, and 1% sucrose. Protein concentration prior to lyophilization was 0.78 mg/mL.

#### **Reconstitution**

Briefly spin the vial prior to opening and bring the contents to the bottom. It is recommended to reconstitute at approximately 0.5-1 mg/mL with sterile deionized water.

#### **Stability & Storage**

- Upon arrival, the lyophilized products may be stored for 2 weeks at 2 to 8 °C. For long term storage, it is recommended to be stored desiccated below -20 °C in a manual defrost freezer.
- Following reconstitution, the protein may be stored for 2 weeks at 2 to 8 °C. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA) and store at -20 °C or -80 °C in aliquots. **\*Avoid repeated freeze-thaw cycles.**



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**The products are furnished for LABORATORY RESEARCH USE ONLY.**

**Not for therapeutic use.**