

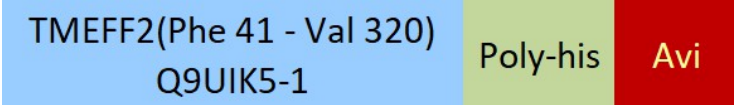
Synonym

CT120.2, HPPI1, TENB2, TPEF, TR, TR-2

Source

Biotinylated Human TMEFF2 Protein, His,Avitag(TM2-H82E3) is expressed from human 293 cells (HEK293). It contains AA Phe 41 - Val 320 (Accession # [Q9UIK5-1](#)).  
Predicted N-terminus: Phe 41

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 34.5 kDa. The protein migrates as 43-55 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

*Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.*

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

Storage

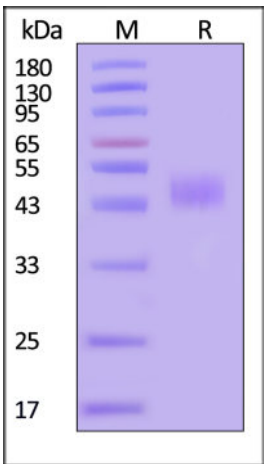
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 24 months in lyophilized state;
- -70°C for 12 months under sterile conditions after reconstitution.

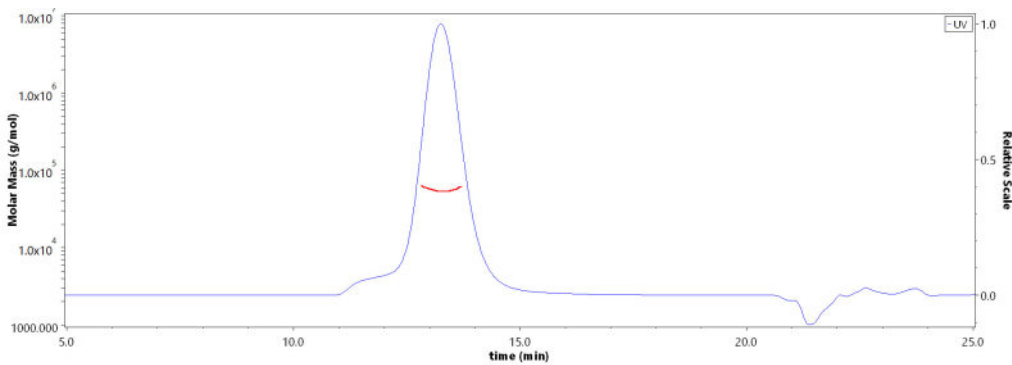
SDS-PAGE



Biotinylated Human TMEFF2 Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

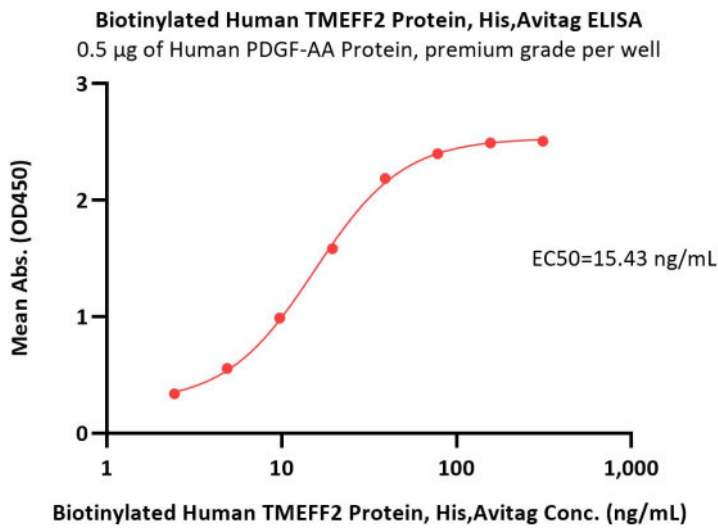
Bioactivity-ELISA

SEC-MALS



The purity of Biotinylated Human TMEFF2 Protein, His,Avitag (Cat. No. TM2-H82E3) is more than 90% and the molecular weight of this protein is around 40-60 kDa verified by SEC-MALS. [Report](#)





Immobilized Human PDGF-AA Protein, premium grade (Cat. No. PDA-H5113) at 5 µg/mL (100 µL/well) can bind Biotinylated Human TMEFF2 Protein, His,Avitag (Cat. No. TM2-H82E3) with a linear range of 2-39 ng/mL (QC tested).

Background

This gene encodes a member of the tomoregulin family of transmembrane proteins. This protein has been shown to function as both an oncogene and a tumor suppressor depending on the cellular context and may regulate prostate cancer cell invasion. Multiple soluble forms of this protein have been identified that arise from both an alternative splice variant and ectodomain shedding. Additionally, this gene has been found to be hypermethylated in multiple cancer types. Alternative splicing results in multiple transcript variants

