

# Sus scrofa (Pig) Transferrin/TF (His Tag) recombinant protein



Catalog Number: 500508

## General Information

### Gene Name Synonym

Transferrin

### Protein Construction

A DNA sequence encoding the pig (Sus scrofa) transferrin (NP\_001231582.1) (Met 1-Thr 715) was fused with the a polyhistidine tag at the C-terminus.

### Organism

Sus scrofa (Pig)

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its ability to bind human His-TFRC (cat: 504589) functional ELISA.
2. Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. Karey, K.P. et al. (1988) Cancer Research 48:4083. The ED<sub>50</sub> for this effect is typically 0.01-0.04 µg/mL.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gln 22

### Molecular Mass

The secreted recombinant Sus scrofa (Pig) transferrin comprises 705 amino acids and has a predicted molecular mass of 78.3 kDa. It migrates as an approximately 72 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

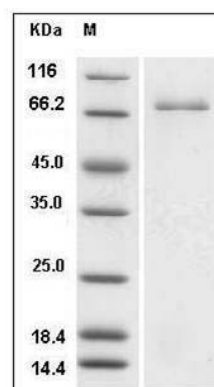
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Sus scrofa (Pig) Transferrin / TF Protein (His Tag)  
SDS-PAGE