

Sus scrofa (Pig) Transferrin/TF (Fc Tag) recombinant protein



Catalog Number: 504119

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 human IgG1 Fc region 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 ED₅₀ for this effect is typically 0.01-0.04 µg/mL.

Purity

> 88 % 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 pig (*Sus scrofa*) transferrin/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 935 amino acids and has a predicted molecular mass of 103 kDa. It migrates as an approximately 100-110 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

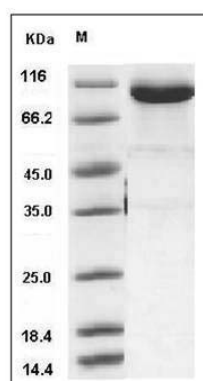
Storage

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



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SDS-PAGE