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# Recombinant Swine Serotransferrin (TF), N-His

**Cat. No.: AP9C45**

**Product Type: Animal Proteins**

**Size: 10 μg; 50 μg; 200 μg; 1 mg; 5 mg**

## Product Overview

BioVenic's Recombinant Swine Serotransferrin (TF), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 21.6 kDa. The purity is>97% (SDS-PAGE).

## Specifications

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| Type | Recombinant Protein |
| Species | Swine |
| Expression System | *E.coli* |
| Purity | >97% (SDS-PAGE) |
| Endotoxin | < 1 EU/μg |
| Predicted Molecular Weight | 21.6 kDa |
| Molecular Weight | 25.0 kDa |
| Physical State | Lyophilized |
| Formulation | The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |

## Target Information

Swine serotransferrin, also known as serum transferrin, is a plasma glycoprotein that plays a central role in iron metabolism. It bind s iron and transports it from the duodenum into the circulatory system, delivering it to cells for various functions, including DNA synt hesis and oxygen transport. Serotransferrin also has an immune function, participating in the immune response against pathogens by binding iron, which can limit its availability to invading microorganisms.

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| Protein | Swine Serotransferrin (TF) |
| Protein Synonym | TRF; Siderophilin; Serotransferrin; Beta-1 metal-binding globulin |
| Gene ID | 396996 |
| UniProt ID | P09571 |

## Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months. Avoid repeated freezing and thawing.

## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL.Aliquote the reconstituted solution to minimise freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.