



# Recombinant Protein Technical Manual

## Recombinant Human Transferrin Protein (His Tag)

RPES3190

### Product Data:

**Product SKU:** RPES3190

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P02787

### Protein Information:

**Molecular Mass:** 76.2 kDa

**AP Molecular Mass:** 85 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Serotransferrin;Transferrin;Beta metal-binding globulin;Siderophilin;TF;HEL-S-71p;PRO1557;PRO2086;TFQTL1

## Immunogen Information:

**Sequence:** Val20-Pro698

## Background:

Serotransferrin belongs to transferrin family, and contains 2 transferrin-like domains. The protein is a secreted protein, and expressed by the liver and secreted in plasma. Transferrins are iron binding transport proteins which can bind two Fe<sup>3+</sup> ions in association with the binding of an anion. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.