

Recombinant Human Transferrin Protein (His Tag)

RPES2267

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES2267

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

Contents: 100µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

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

Synonyms: Beta-1 metal-binding globulin, HEL-S-71p, PRO1557, PRO2086, Serotransferrin, Siderophilin, TF, TFQTL1, Transferrin

Storage: Generally, 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.

Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

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

Expression Host: HEK293 Cells

Bio-Activity: 1. Immobilized human CD71 at 10 µg/ml (100 µl/well) can bind human Transferrin. The EC50 of human Transferrin is 5.6 ng/mL. 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.

Calculated MW: 76.6 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 74 kDa

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

Accession: NP_001054.1

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Human Transferrin protein Met 1-Pro 698, with an C-terminal His

Sequence: Met 1-Pro 698

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder