

# Recombinant Human Transferrin Receptor/TFRC Protein (His Tag)

RPES4266

## 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:** RPES4266

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

**Contents:** 50µg, 10µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

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

**Synonyms:** CD71, T9, TFR, TR, TRFR, TfR, Transferrin receptor protein 1, Trfr, p90

**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:** N-His

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

**Expression Host:** HEK293 Cells

**Bio-Activity:** Loaded Recombinant Human Transferrin (RPES3190) on SA Biosensor, can bind Recombinant Human TFRC (N-6His) (RPES4266) with an affinity constant of 99.1 nM as determined in BLI assay.

**Calculated MW:** 74.9 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, 5% Mannitol, 0.01% Tween 80, pH7.4. 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.

**Observed MW:** 80-90 kDa

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

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

Transferrin (RPES3190) on SA Biosensor, can bind Recombinant Human TFRC (N- 6His) (RPES4266) with an affinity constant of 99.1 nM as determined in BLI assay.

**Accession:** P02786

**Source:** HEK293 Cells-derived Human Transferrin Receptor/TFRC protein Leu101-Phe760, with an N-terminal His

**Sequence:** Leu101-Phe760

**Form:** Lyophilized powder

**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

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