

**HUMAN TFRC PROTEIN, HIS TAG****Cat.#:** 11563**Product Name:** Human TFRC Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** TR;TfR;TfR1;Trfr;T9;p90;CD71**Target:** TFRC**UNIPROT ID:** P02786**Description:** Recombinant human TFRC protein with N-terminal 6xHis tag**Background:** This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified. [provided by RefSeq, Sep 2015]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 76 kDa after removal of the signal peptide. The apparent molecular mass of His-TFRC is approximately 70-100 kDa due to glycosylation.**Molecular Characterization:** 6×His tag TFRC(Cys89-Phe760)**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

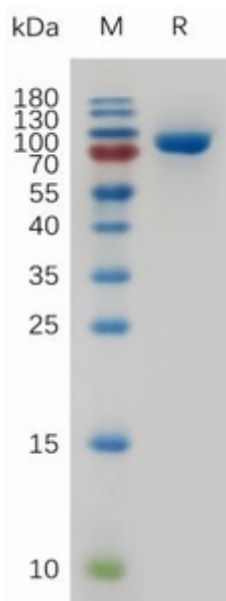


Figure 1. Human TFRC Protein, His Tag on SDS-PAGE under reducing condition.