

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.

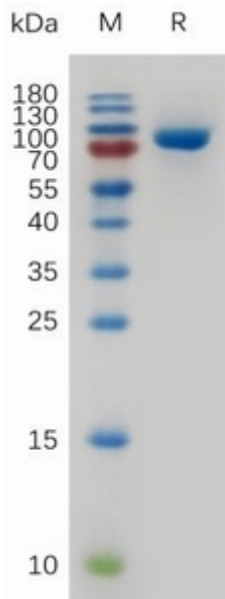


Figure 1. Human TFRC Protein, His Tag on SDS-PAGE under reducing condition.