PRODUCT INFORMATION

Target	TFRC
Synonyms	TR;TfR;TfR1;Trfr;T9;p90;CD71
Description	Recombinant human TFRC protein with N-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P02786
Expression Host	HEK293
Tag	N-6×His Tag
Molecular Characterization	6×His tag TFRC(Cys89-Phe760)
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.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
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]
Usage	Research use only
Conjugate	Unconjugated

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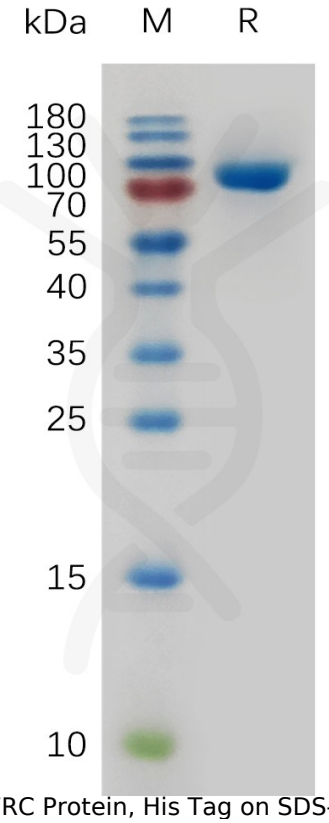


Figure 1. Human TFRC Protein, His Tag on SDS-PAGE under reducing condition.

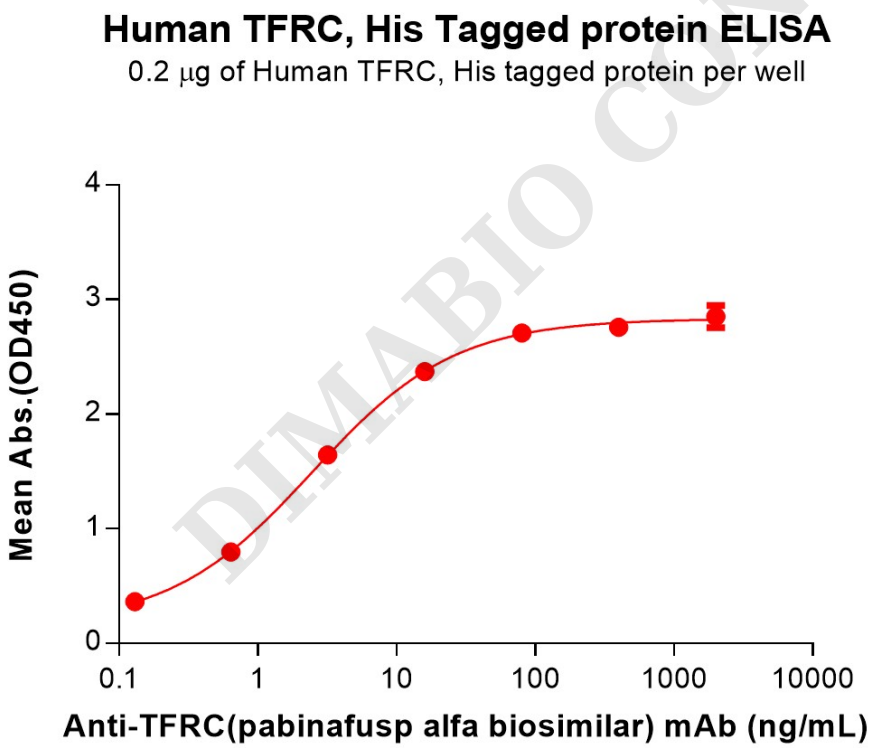


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human TFRC Protein, His Tag (PME100775) can bind Anti-TFRC(pabinafusp alfa biosimilar) mAb (BME100138) in a linear range of 0.13–16 ng/mL.

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