

## PRODUCT INFORMATION

<b>Target</b>	TFRC
<b>Synonyms</b>	TR;TfR;TfR1;Trfr;T9;p90;CD71
<b>Description</b>	Recombinant human TFRC protein with N-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P02786
<b>Expression Host</b>	HEK293
<b>Tag</b>	N-6×His Tag
<b>Molecular Characterization</b>	6×His tag TFRC(Cys89-Phe760)
<b>Molecular Weight</b>	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.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Background</b>	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]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



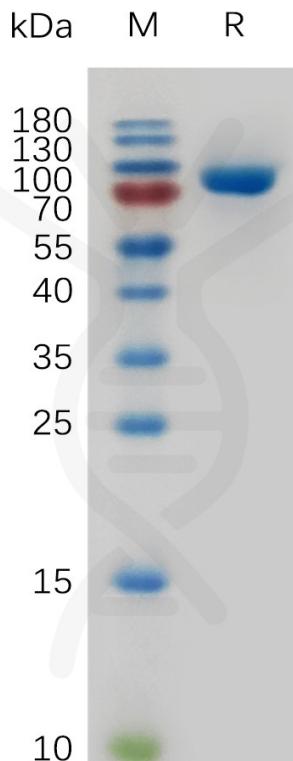
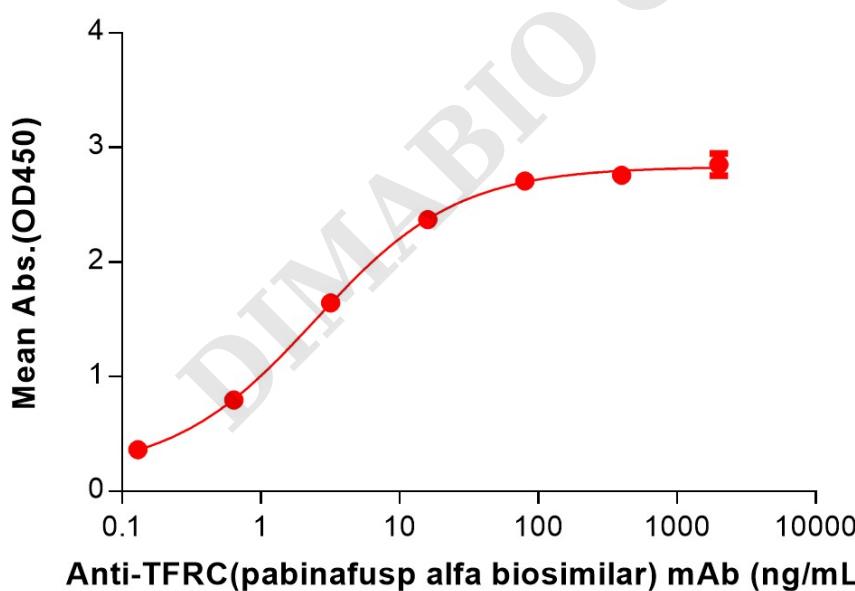


Figure 1. Human TFRC Protein, His Tag on SDS-PAGE under reducing condition.

### Human TFRC, His Tagged protein ELISA

0.2  $\mu$ g of Human TFRC, His tagged protein per well

Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/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.