

Cynomolgus Transferrin R Protein; hFc Tag

Product Information

Product Name	Cynomolgus Transferrin R Protein; hFc Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88812RP-100 / 100 μg GM-88812RP-1000 / 1 mg

Protein Information

Alternative Names	CD71, TFRC, TFR, sTfR, TfR1, Trfr, T9, p90
Source	Cynomolgus Transferrin R Protein; hFc Tag is expressed from human 293 cells (HEK-293). It contains AA Cys 89 - Phe 760 (Accession # G8F602). This protein carries a hFc tag at the N-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	102.0 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Description	Transferrin R protein, also known as Transferrin Receptor 1, is a type II transmembrane glycoprotein that mediates cellular iron uptake by binding diferric transferrin and internalizing the complex via clathrin-dependent endocytosis. It is highly expressed on rapidly proliferating cells, including activated lymphocytes, hematopoietic precursors, and many tumor cells, making it a useful marker of cell proliferation and iron demand. The soluble form of transferrin receptor (sTfR) can be detected in serum and is widely used as a biomarker of iron status and erythropoietic activity. Recombinant Transferrin R protein is commonly used in studies of iron metabolism, receptor–ligand interactions, and cancer biology.

Figures

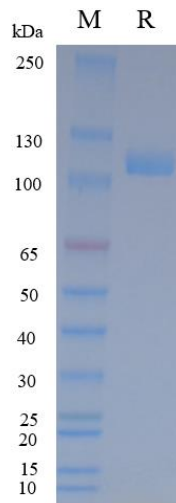


Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

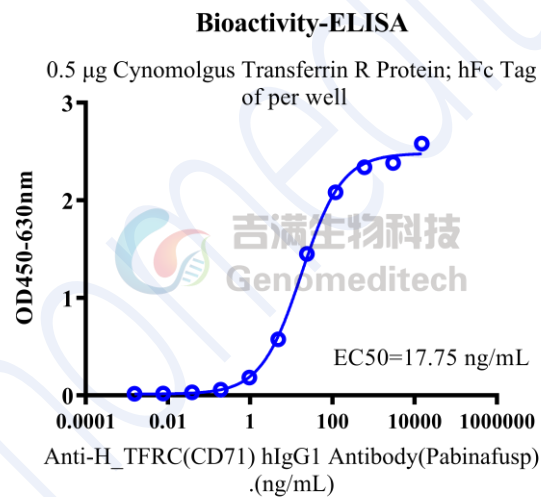


Figure 2 | Cynomolgus Transferrin R Protein; hFc Tag (Catalog # GM-88812RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-H_TFRC(CD71) hIgG1 Antibody(Pabinafusp) (Catalog # GM-30129AB) were added.

Related Products

CD71(TFRC)	
Cynomolgus_TFRC(CD71) CHO-K1 Cell Line	H_TFRC(CD71) CHO-K1 Cell Line
H_TFRC(CD71) HEK-293 Cell Line	H_TFRC(CD71) MC38 Cell Line
Anti-H_TFRC(CD71) hIgG1 Antibody(Pabinafusp)	
Human Transferrin R Protein: His Tag	

Genomeditech