



Recombinant Human Transferrin receptor protein 1 (TFRC), partial (Active)

Product Code	CSB-MP3648HU
Abbreviation	Recombinant Human TFRC protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P02786
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	①Measured by its binding ability in a functional ELISA. Immobilized Human TFRC at 2 μg/mL can bind Anti-TFRC recombinant antibody (CSB-RA023441MA1HU) , the EC50 is 3.305-8.220 ng/mL. ②Measured by its binding ability in a functional ELISA. Immobilized Human TFRC at 2 μg/mL can bind Human TF (CSB-MP023412HU). The EC50 is 33.20-40.09 ng/mL.
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	CKGVEPKTECERLAGTESPVREEPGEDFPAARRLYWDDLKRKLSEKLDSTDF TGTIKLLNENSYPREAGSQKDENLALYVENQFREFKLSKVWRDQHFVKIQVK DSAQNSVIVDKNGRLVYLVENPGGYVAYSKAATVTGKLVHANFGTKKDFEDL YTPVNGSIVIVRAGKITFAEKVANAESLNAIGVLIYMDQTKFPIVNAELSFHGAH LGTGDPYTPGFPSFNHTQFPSPRSSGLPNIPVQTISRAAAELKFGNMEGDCPS DWKTDSTCRMVTSSESKNVKLTVSNVLKEIKILNIFGVIKGFVEPDHYVVVGAQR DAWGPGAAGSGVGTALLLKLQMFSDMVLKDGFPQRSIIFASWSAGDFGSV GATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVSASPLLYTLIEKTMQNVKH PVTGQFLYQDSNWASKVEKLTLDNAAFPFLAYSGIPAVSFCFCEDTDYPYLG TMDTYKELIERIPELNKVARAAAQVAGQFVIKLTVDVNLNLDYERYNSQLLSFVR DLNQYRADIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRFVMKLN DRVMRVEYHFLSPYVSPKESPFRRHVFWSGSHTLPALLENLKLKQNNGAFN ETLFRNQLALATWTIQGAANALSGDVWDIDNEF
Source	Mammalian cell
Target Names	TFRC
Expression Region	89-760aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

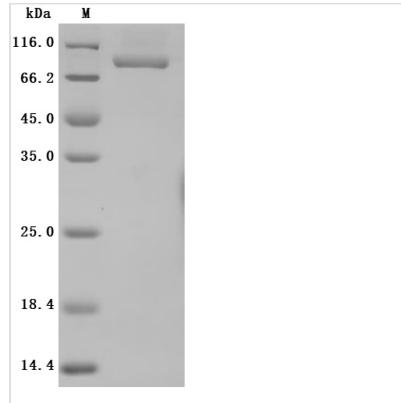


Tag Info N-terminal 10xHis-tagged

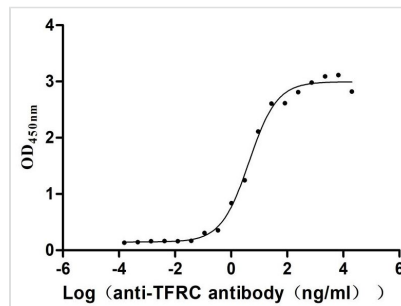
Mol. Weight 77.9 kDa

Protein Length Partial

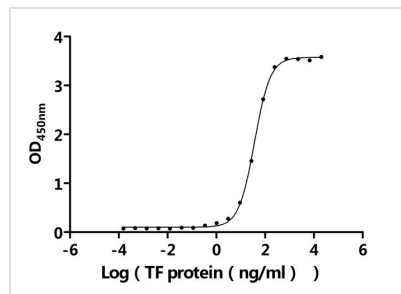
Image



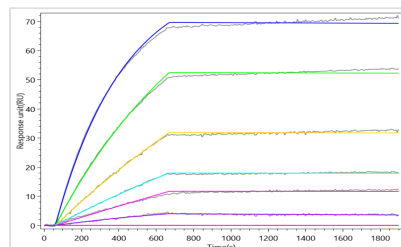
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human TFRC at 2µg/mL can bind Anti-TFRC recombinant antibody (CSB-RA023441MA1HU)? the EC₅₀ is 3.305-8.220 ng/mL.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human TFRC at 2 µg/ml can bind Human TF (CSB-MP023412HU). The EC₅₀ is 33.20-40.09 ng/mL.



TFRC Recombinant Monoclonal Antibody (CSB-RA023441MA1HU) captured on Protein A Chip can bind Recombinant Human TFRC protein with an affinity constant of 0.117 nM as detected by MetaSPR Assay (WeSPRTM 200).

Endotoxin Less than 1.0 EU/ug as determined by LAL method.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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