



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

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|----------------------------|---|
| 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 | ① Measured 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. ② 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. |
| Purity | ≥ 95% as determined by SDS-PAGE. |
| Sequence | CKGVEPKTECERLAGTESPVREEPGEDFPAARRLYWDDLKRKLSEKLDSTDF TGTIKLLNENSYPREAGSQKDENLALYVENQFREFKLSKVWRDQHFVKIQVK DSAQNSVIVDKNGRLVYLVENPGGYVAYSKAATVTGKLVHANFGTKKDFEDL YTPVNGSIVIVRAGKITFAEKVANAESLNAIGVLIYMDQTKFPIVNAELSSFFGHAH LGTGDPYTPGFPSFNHTQFPSPRSSGLPNIPVQTSRAAAEKLFGNMEGDCPS DWKTDSTCRMVTSESKNVKLTVSNVLKEIKILNIFGVIKGFVEPDHYVVVGAQR DAWGPGAAGSGVGTALLLKLQMFSDMVLKDGFPQRSIIFASWSAGDFGSV GATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVSASPLLYTLIEKTMQNVKH PVTGQFLYQDSNWASKVEKLTLDNAAFPFLAYSGIPAVSFCFCEDTDYPYLG TMDTYKELIERIPELNKVARAAAEEVAGQFVIKLTVDVELNLDYERYNSQLLSFVR DLNQYRADIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRFVMKKNL DRVMRVEYHFLSPYVSPKESPFRRHVFVWGSHTLPALLENLKLKQNNGAFN 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. |

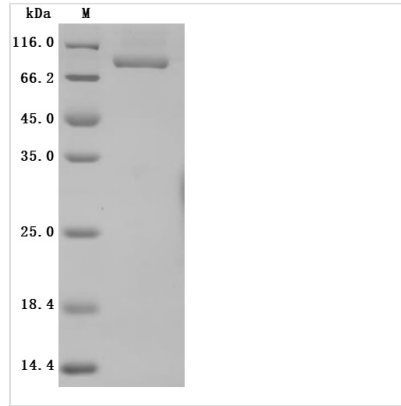


Tag Info N-terminal 10xHis-tagged

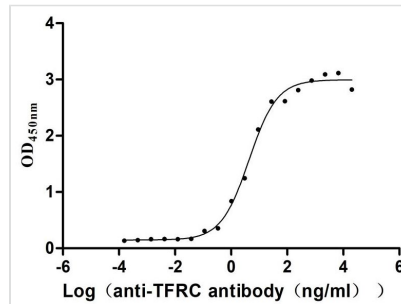
Mol. Weight 77.9 kDa

Protein Length Partial

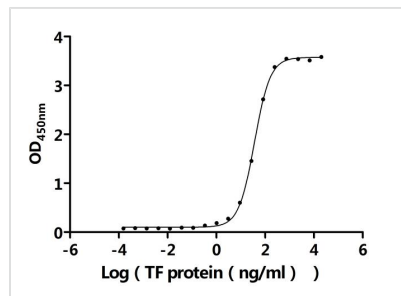
Image



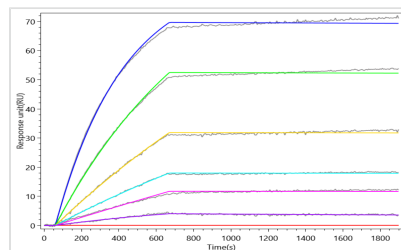
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human TFRC at 2 μ g/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 μ g/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

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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