



Recombinant Cynomolgus monkey Transferrin receptor protein 1 (EGM_21146), partial (Active)

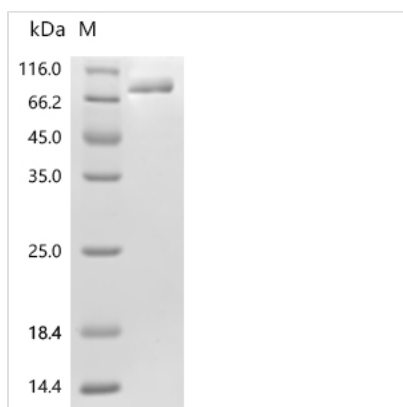
Product Code	CSB-MP5092MOV
Abbreviation	Recombinant Cynomolgus monkey EGM_21146 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	G8F602
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)
Biological Activity	<p>① Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis TFRC at 2 µg/mL can bind Anti-TFRC recombinant antibody (CSB-RA023441MA1HU). The EC50 is 19.84-27.47 ng/mL.</p> <p>② TFRC Recombinant Monoclonal Antibody (CSB-RA023441MA1HU) captured on Protein A Chip can bind Recombinant Macaca fascicularis TFRC with an affinity constant of 0.28 nM as detected by MetaSPR Assay (WeSPRTM 200).</p>
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	<p>CKGVEPKTECERLAGTESPAREEPEEDFPAAPRLYWDDLKRKLSEKLDTTDFT STIKLLNENLYVPREAGSQKDENLALYIENQFREFKLSKVWRDQHFVKIQVKDS AQNSVIVDKNGGLVYLVENPGGYVAYSKAATVTGKLVHANFGTKKDFEDLDS PVNGSIVIVRAGKITFAEKVANAESLNAIGVLIYMDQTKFPIVKADLSFFGHAHLG TGDPYTPGFPSFNHTQFPPSQSSGLPNIPVQTISRAAAELKFGNMEGDCPSD WKTDSTCKMVTSENKSVKLTVSNVLKETKILNIFGVIKGFVEPDHYVVVGAQRD AWGPGAACKSSVGTALLLKLQMFSDMVLKDGFGQPSRSIIFASWSAGDFGSVG ATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVSASPLLYTLIEKTMQDVKHP VTGRSLYQDSNWASKVEKLTLDNAAFPFLAYSGIPAVSFCFCEDTDYPYLGTT MDTYKELVERIPELNKVARAAA EVAGQFVIKLTHTDELNLDYERYNSQLLLFLR DLNQYRADVKEMGLSLQWLYSARGDFFRATSRLTTDFRNAEKRDKFMKLN DRVMRVEYYFLSPYVSPKESPFRRHVFWGSGSHTLSALLESLKLRQNNSAFN ETLFRNQLALATWTIQGAANALSGDVWDIDNEF</p>
Source	Mammalian cell
Target Names	EGM_21146
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



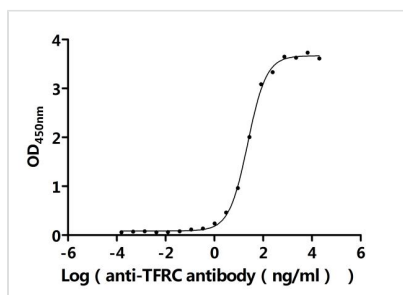
Mol. Weight 78.0 kDa

Protein Length Partial

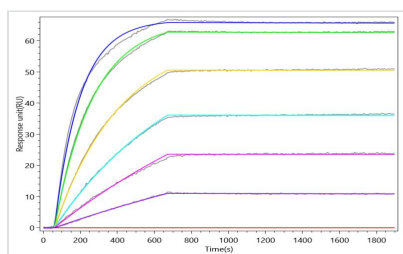
Image



(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 *Macaca fascicularis* TFRC at 2 µg/ml can bind Anti-TFRC recombinant antibody (CSB-RA023441MA1HU). The EC₅₀ is 19.84-27.47 ng/mL.



Activity
TFRC Recombinant Monoclonal Antibody (CSB-RA023441MA1HU) captured on Protein A Chip can bind Recombinant *Macaca fascicularis* TFRC with an affinity constant of 0.28 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. 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.