



# Recombinant Cynomolgus monkey Transferrin receptor protein 1 (EGM\_21146), partial (Active)

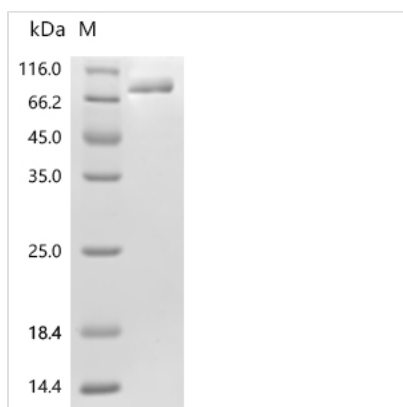
<b>Product Code</b>	CSB-MP5092MOV
<b>Abbreviation</b>	Recombinant Cynomolgus monkey EGM_21146 protein, partial (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	G8F602
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)
<b>Biological Activity</b>	<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>
<b>Purity</b>	Greater than 95% as determined by SDS-PAGE.
<b>Sequence</b>	<p>CKGVEPKTECERLAGTESPAREEPEEDFPAAPRLYWDDLKRKLSEKLDTTDFT  STIKLLNENLYVPREAGSQKDENLALYIENQFREFKLSKVWRDQHFVKIQVKDS  AQNSVIIVDKNGGLVYLVENPGGYVAYSKAATVTGKLVHANFGTKKDFEDLDS  PVNGSIVIVRAGKITFAEKVANAESLNAIGVLIYMDQTKFPVVKADLSFFGHAHLG  TGDPYTPGFPSFNHTQFPPSQSSGLPNIPVQTISRAAAELKFGNMEGDCPSD  WKTDSTCKMVTSENKSVKLTVSNVLKETKILNIFGVKGFVEPDHYVVVGAQRD  AWGPGAAKSSVGTALLLKLQMFSDMVLKDGFPQRSIIFASWSAGDFGSVG  ATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVSASPLLYTLIEKTMQDVKHP  VTGRSLYQDSNWASKVEKLTLDNAAFPFLAYSGIPAVSFCFCEDTDYPYLGTT  MDTYKELVERIPELNKVARAAA EVAGQFVIKLTHDTELNDYERYNSQLLLFLR  DLNQYRADVKEMGLSLQWLYSARGDFFRATSRLTTDFRNAEKRDKFVMKLN  DRVMRVEYYFLSPYVSPKESPFRRHVFWGSGSHTLSALLESLKLRQNNSAFN  ETLFRNQLALATWTIQGAANALSGDVWDIDNEF</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	EGM_21146
<b>Expression Region</b>	89-760aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-tagged



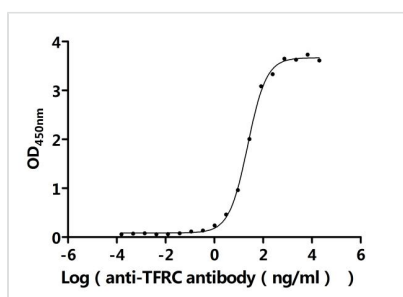
**Mol. Weight** 78.0 kDa

**Protein Length** Partial

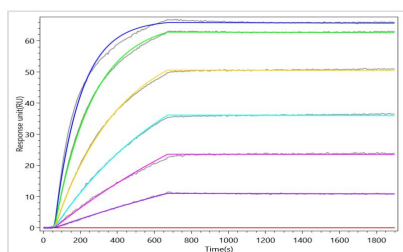
**Image**



(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 EC<sub>50</sub> 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.