

Active Recombinant Mouse TFRC protein, His-tagged, Biotinylated

Cat. No. TFRC-1120M Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Mouse TFRC protein(Cys 89 - Phe 763), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Cys 89 - Phe 763
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Biotinylated Mouse Transferrin R, His Tag, primary amine labeling at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Mouse Transferrin, Mouse IgG2a Fc Tag, low endotoxin with a linear range of 0.2-16 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminusThe protein has a calculated MW of 77.8 kDa. The protein migrates as 80-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

Conjugation

Biotin

GENE INFORMATION

Gene Name

Tfrc transferrin receptor [*Mus musculus*]

Official Symbol

TFRC

Synonyms

TFRC; transferrin receptor; transferrin receptor protein 1; mammary tumor virus receptor 1; TR; TFR; p90; CD71; TFR1; Trfr; Mtvr1; Mtvr-1; AI195355; AI426448; AU015758; 2610028K12Rik; E430033M20Rik;

Gene ID

22042

mRNA Refseq

NM_011638

Protein Refseq

NP_035768

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