Active Recombinant Mouse Trf protein, hFc-tagged

Cat. No. Trf-1958M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Trf protein(Q921I1)(Met1-His697), fused with hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-His697
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. Karey, K.P. et al. (1988) Cancer Research 48:4083.The ED50 for this effect is typically 5-40 ng/mL.
Molecular Mass	The recombinant mouse TRF/Fc is a disulfide-linked homodimer. The reduced monomer comprises 919 amino acids and has a predicted molecular mass of 101.9 kDa. The apparent molecular mass of the protein is approximately 102 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method

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Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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.

GENE INFORMATION

Gene Name	Trf transferrin [Mus musculus]
Official Symbol	Trf
Synonyms	TRF; transferrin; serotransferrin; siderophilin; beta-1 metal-binding globulin; hypotransferrinemia with hemochromatosis; HP; Tf; Tfn; hpx; Cd176; AI266983; MGC102653;
Gene ID	22041
mRNA Refseq	NM_133977
Protein Refseq	NP_598738

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