

## Recombinant Mouse Trf protein, His-tagged

**Cat. No.** Trf-8683M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Trf protein(Q921I1) (Met1-His697) was expressed in HEK293 with a C-terminal polyhistidine tag                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-697 a.a.                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                 |
| <b>Bio-activity</b>     | Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. The ED50 for this effect is typically 15-150ng/mL.                                                                                           |
| <b>Molecular Mass</b>   | The recombinant mouse TRF comprises 689 amino acids and has a predicted molecular mass of 76.3 kDa. The apparent molecular mass of the protein is approximately 61-66 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                        |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                      |
| <b>Storage</b>          | 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                                                            |

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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.

**UniProt ID-Weblink**

<http://www.uniprot.org/uniprot/>

## 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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