

Recombinant Mouse Tfr2 Protein, His-tagged

Cat. No. Tfr2-2123M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tfr2 Protein (His493-Asn785) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	His493-Asn785
Description	Predicted to enable co-receptor binding activity and transferrin receptor activity. Acts upstream of or within iron ion homeostasis. Part of HFE-transferrin receptor complex. Is expressed in liver lobe; mesonephros; and urinary system. Used to study hemochromatosis type 3. Human ortholog(s) of this gene implicated in hemochromatosis and hemochromatosis type 3. Orthologous to human TFR2 (transferrin receptor 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.8 kDa Accurate Molecular Mass: 37 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

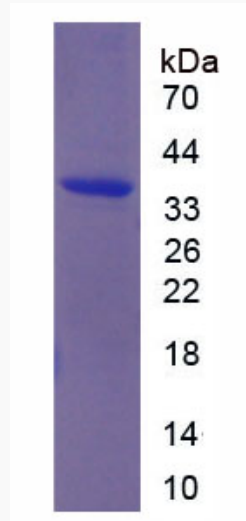
GENE INFORMATION

Gene Name	Tfr2 transferrin receptor 2 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Tfr2
Synonyms	Tfr2; transferrin receptor 2; Trfr2; transferrin receptor protein 2
Gene ID	50765
mRNA Refseq	NM_015799
Protein Refseq	NP_056614
UniProt ID	Q9JKX3

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