

## Recombinant Mouse Tfrc protein, His-tagged

Cat. No. Tfrc-1567M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Tfrc aa. (Arg572~Trp757) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Arg572~Trp757
<b>Description</b>	This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Mice that are deficient in this receptor show impaired erythroid development and abnormal iron homeostasis.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	29kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method).
<b>Purity</b>	>92%
<b>Characteristic</b>	The isoelectric point is 6.5.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP; CoIP; ReporterAssays; Purification; Amine Reactive

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	Labeling.
<b>Stability</b>	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°C 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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Concentration</b>	200g/mL
<b>Storage buffer</b>	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	Tfrc transferrin receptor [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Tfrc
<b>Synonyms</b>	TR; TFR; p90; CD71; TFR1; Trfr; Mtvr1; 2610028K12Rik; E430033M20Rik; mammary tumor virus receptor 1; transferrin receptor protein 1
<b>Gene ID</b>	22042
<b>mRNA Refseq</b>	NM_011638.4
<b>Protein Refseq</b>	NP_035768.1

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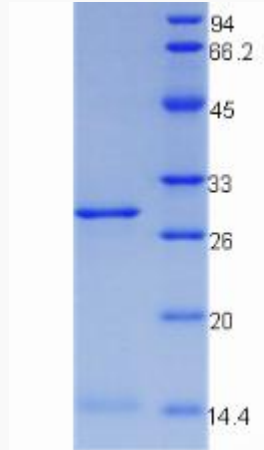
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UniProt ID

Q62351

SDS-PAGE



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