

## Recombinant Mouse Tfrc Protein, Myc/DDK-tagged

**Cat. No.** Tfrc-6385M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Purified recombinant protein of mouse full-length transferrin receptor (Tfrc), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                            |
| <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. [provided by RefSeq, Sep 2015] |
| <b>Molecular Mass</b>   | 85.7 kDa                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                       |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                  |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                             |

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## GENE INFORMATION

|                 |                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Tfrc transferrin receptor [ Mus musculus (house mouse) ]                                                                                                                                              |
| 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                                                                                                                                                                                             |
| UniProt ID      | Q62351                                                                                                                                                                                                |

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