

## Recombinant Human TFRC Protein, His-tagged

**Cat. No.** TFRC-2124H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TFRC Protein (Cys89-Phe760) with N-His tag was expressed in 293F.                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Cys89-Phe760                                                                                                                                                                                                                                                         |
| <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. Multiple alternatively spliced variants have been identified. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 76.8 kDa<br>Accurate Molecular Mass: 80 kDa                                                                                                                                                                                                |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                           |
| <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 centigrade for                                                                                        |

 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

|                       |                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                   |
| <b>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                            |
| <b>Reconstitution</b> | Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                           |

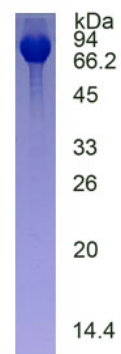
## GENE INFORMATION

|                        |                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TFRC transferrin receptor [ Homo sapiens (human) ]                                                    |
| <b>Official Symbol</b> | TFRC                                                                                                  |
| <b>Synonyms</b>        | TFRC; transferrin receptor; T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46; transferrin receptor protein 1 |
| <b>Gene ID</b>         | 7037                                                                                                  |
| <b>mRNA Refseq</b>     | NM_003234                                                                                             |
| <b>Protein Refseq</b>  | NP_003225                                                                                             |
| <b>MIM</b>             | 190010                                                                                                |
| <b>UniProt ID</b>      | P02786                                                                                                |

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