

## Recombinant Human TFRC protein, His-Avi-tagged

Cat. No. TFRC-2029H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TFRC protein(P02786)(Cys89-Phe760), fused with N-terminal His and Avi tag, was expressed in HEK293.                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Cys89-Phe760                                                                                                                                                                              |
| <b>Tag</b>              | N-His-Avi                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                                            |
| <b>Bio-activity</b>     | Immobilized Human Transferrin R, His Tag at 1µg/ml (100ul/well) on the plate. Dose response curve for Anti-Transferrin R Antibody, hFc Tag with the EC50 of 9.2ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 77.9 kDa. Due to glycosylation, the protein migrates to 78-80 kDa based on Tris-Bis PAGE result.                                                        |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                                                   |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                                                          |

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| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                    |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| <b>GENE INFORMATION</b> |                                                                                                                                                             |
| <b>Gene Name</b>        | TFRC transferrin receptor (p90, CD71) [ Homo sapiens ]                                                                                                      |
| <b>Official Symbol</b>  | TFRC                                                                                                                                                        |
| <b>Synonyms</b>         | TFRC; transferrin receptor (p90, CD71); transferrin receptor protein 1; CD71; TFR1; T9; TR; TFR; p90; TRFR;                                                 |
| <b>Gene ID</b>          | 7037                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_001128148                                                                                                                                                |
| <b>Protein Refseq</b>   | NP_001121620                                                                                                                                                |
| <b>MIM</b>              | 190010                                                                                                                                                      |
| <b>UniProt ID</b>       | P02786                                                                                                                                                      |