

## Active Recombinant Human TF protein, His-tagged

Cat. No. TF-2351H Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human TF protein(AAH59367)(Val20-698) is expressed from HEK293 with His tag at the C-Terminus.                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 20-698 aa                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).                                                                                                                                                                       |
| <b>Bio-activity</b>     | Immobilized Human Transferrin, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human Transferrin R, His Tag with the EC50 of 0.50µg/ml determined by ELISA.                                    |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 76.3 kDa. Due to glycosylation, the protein migrates to 78-82 kDa based on Bis-Tris PAGE result.                                                                                               |
| <b>Endotoxin</b>        | Less than 1 EU per µg by the LAL method.                                                                                                                                                                                         |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC                                                                                                                                                                 |
| <b>Storage</b>          | Store at -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

 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

|                               |                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution</b>         | Dissolve the lyophilized protein in distilled water.                                                          |
| <b>protein Refseq-Weblink</b> | <a href="http://www.ncbi.nlm.nih.gov/protein/NP_001054.1">http://www.ncbi.nlm.nih.gov/protein/NP_001054.1</a> |
| <b>Unit ID</b>                | P02787                                                                                                        |
| <b>Unit ID-Weblink</b>        | <a href="http://www.uniprot.org/uniprot/P02787">http://www.uniprot.org/uniprot/P02787</a>                     |

## GENE INFORMATION

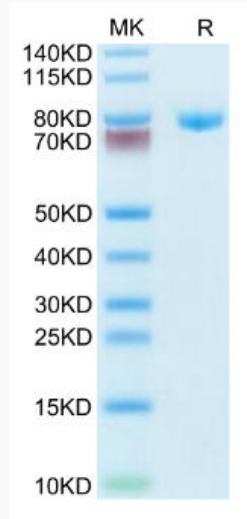
|                        |                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TF transferrin [ Homo sapiens ]                                                                                         |
| <b>Official Symbol</b> | TF                                                                                                                      |
| <b>Synonyms</b>        | TF; transferrin; serotransferrin; PRO1557; PRO2086; siderophilin; beta-1 metal-binding globulin; TFQTL1; DKFZp781D0156; |
| <b>Gene ID</b>         | 7018                                                                                                                    |
| <b>mRNA Refseq</b>     | <a href="#">NM_001063</a>                                                                                               |
| <b>protein Refseq</b>  | NP_001054                                                                                                               |
| <b>MIM</b>             | 190000                                                                                                                  |

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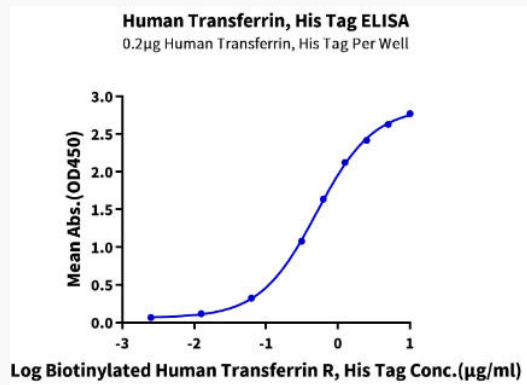
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**Bis-Tris PAGE**



**ELISA Data**



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