

## Transferrin Receptor (TFR) Recombinant Protein | TFR recombinant protein

Recombinant Transferrin Receptor (TFR)

|                               |                       |                                              |                                               |
|-------------------------------|-----------------------|----------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA134281</b> | HOST<br><b>E.coli</b> | REACTIVITY<br><b>Rattus norvegicus (Rat)</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|----------------------------------------------|-----------------------------------------------|

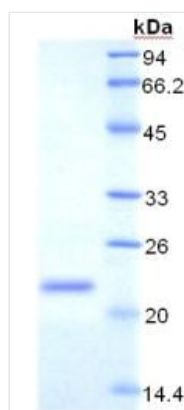
### PRODUCT SYNONYMS

Transferrin Receptor (TFR); Recombinant Transferrin Receptor (TFR); TFR recombinant protein

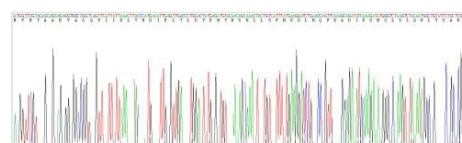
### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Host                                                | E.coli                                                                                              |
| Reactivity                                          | Rattus norvegicus (Rat)                                                                             |
| Purity/Purification                                 | > 97%                                                                                               |
| Form/Format                                         | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| Concentration                                       | Original Concentration: 200ug/mL (varies by lot)                                                    |
| Applicable Applications for TFR recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                            |
| Source                                              | Prokaryotic expression                                                                              |
| Residues                                            | Met587~Asn756                                                                                       |
| Tags                                                | N-terminal His Tag                                                                                  |
| Subcellular Location                                | Membrane                                                                                            |
| Traits                                              | Freeze-dried powder                                                                                 |
| Predicted isoelectric point                         | 5.2                                                                                                 |
| Usage                                               | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.   |

### IMAGES



SDS-PAGE



Gene Sequence  
Gene Sequencing (extract)

```
          MVRT AAEVAGQFII
KLTHDIELTL DYEMYNKLL SFMKDLNQFK ADIKDMGLSL QWLYSARGDY
FRATSRLLTD FHNAEKTNRV VMREINDRIM KVEYHFLSPY VSPRESPFRH
IFWGSQSHTL SALVENLRRL QKNITAFNET LFRNQLALAT WTIQGVANAL
SGDIWN
```

Sequence

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 281306746                                                                                                          |
| NCBI GeneID                      | 64678                                                                                                              |
| NCBI Accession #                 | NP_073203.1                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_022712.1                                                                                                        |
| UniProt Accession #              | G3V679; Q99376                                                                                                     |
| Molecular Weight                 | Predicted Molecular Mass: 21.1kDa<br>Accurate Molecular Mass: 22kDa as determined by SDS-PAGE reducing conditions. |
| NCBI Official Full Name          | transferrin receptor protein 1                                                                                     |
| NCBI Official Synonym Full Names | transferrin receptor                                                                                               |
| NCBI Official Symbol             | Tfrc                                                                                                               |
| NCBI Official Synonym Symbols    | Trfr                                                                                                               |
| NCBI Protein Information         | transferrin receptor protein 1; TR; tFR; tFR1                                                                      |
| UniProt Protein Name             | Transferrin receptor protein 1                                                                                     |
| UniProt Gene Name                | <b>Tfrc</b>                                                                                                        |
| UniProt Entry Name               | G3V679_RAT                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tfrc-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134281>