

## Human TfR, His Tag, CHO

Catalog Number	LDG096PHM
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Human

#### Expression System

CHO

#### Affinity Tag

His Tag (N-term)

#### Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Molecular weight

The protein has a calculated MW of 75.98 kDa. The protein migrates as 45-75 kDa under reducing condition (SDS-PAGE analysis).

#### Activity

Measured by its ability to bind recombinant human Transferrin protein, with the ED50 being < 4 µg/mL when immobilized at 2 µg/mL

#### Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

#### Mycoplasma

Not detected

#### Form

Lyophilized

### Background

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Transferrin receptor (TfR) is involved in iron uptake by mediating the endocytosis of transferrin-bound iron into cells, commonly overexpressed in cancers.

#### Synonyms

Transferrin receptor protein 1, TR, TfR, TfR1, Trfr, T9, p90, CD71

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**Uniprot ID**

P02786

**Sequence Note**

Cys89-Phe760

**Instruction****Reconstitution**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Stability & Storage**


This product is stable after storage at:

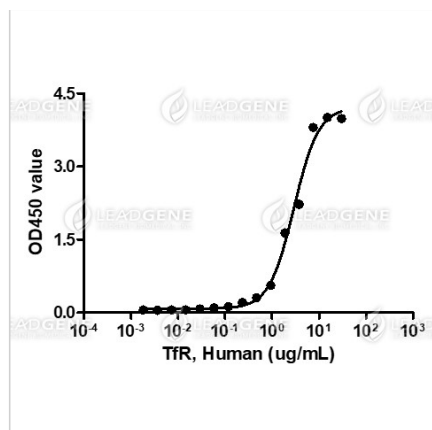
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

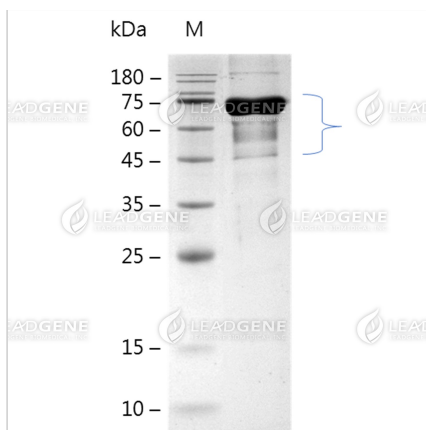
**Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

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Human TfR Protein, His Tag, CHO (LDG096PHM) binds recombinant human Transferrin protein, with the ED50 being < 4 µg/mL when immobilized at 2 µg/mL



SDS-PAGE analysis of recombinant human TfR.

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