

Recombinant Mouse sTfR/CD71 Protein

Catalog No.: RP01497

Sequence Information

Species **Gene ID**
Mouse 22042

Swiss Prot **Tags**
Q62351 N-6His

Synonyms

CD71, IMD46, p90, T9, TfR, TfR1, TR, TRFR, TfRC

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE.

Calculated MW **Observed MW**
76.74 kDa 80–90 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1–0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

This protein is 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.

Basic Information

Description

Recombinant Mouse sTfR/CD71 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Cys89–Phe763) fused with 6His tag at the N-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse sTfR/CD71 (Catalog: RP01497) at 5 μg/mL (100 μL/well) can bind Mouse Transferrin/TF (Catalog: RP01603) with a linear range of 0.002–1.8 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

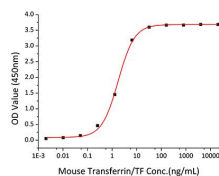
Contact

☎ | 400-999-6126

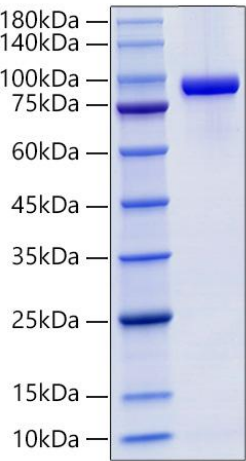
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Immobilized Mouse sTfR/CD71 (Catalog: RP01497) at 5 µg/mL (100 µL/well) can bind Mouse Transferrin/TF (Catalog: RP01603) with a linear range of 0.002–1.8 ng/mL.



Recombinant Mouse sTfR/CD71 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.