

RPB171Mu01 50µg

Recombinant Transferrin Receptor (TFR)

Organism Species: Mus musculus (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Arg572~Trp757

Tags: Two N-terminal Tags, His-tag and S-tag

Accession: Q62351

Host: *E. coli*

Subcellular Location: Cell membrane; Single-pass type II membrane protein. Melanosome.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg
(determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.05% sarcosyl and preservative.

Predicted isoelectric point: 6.5

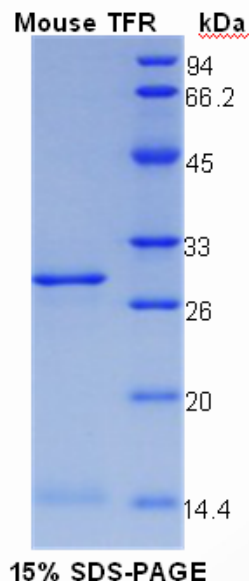
Predicted Molecular Mass: 27.4kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.



15% SDS-PAGE

[**STORAGE AND STABILITY**]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[**SEQUENCES**]

The sequence of the target protein is listed below.

RLDTYEALT QKVPQLNQMV RTAAEVAGQL IIKLTHDVEL NLDYEMYN SK LLSFMKDLNQ
FKTDIRDMGL SLQWLYSARG DYFRATSRLT TDFHNAEKTN RFVMREINDR IMKVEYHFLS
PYVSPRESPF RHIFWGSGSH TLSALVENLK LRQKNITAFN ETLFRNQLAL ATWTIQGVAN
ALSGDIW

[**REFERENCES**]

1. Martin F.M., *et al.* (2011) PLoS ONE 6:e16894-e16894.
2. Habtemichael E.N., *et al.* (2011) J. Biol. Chem. 286:10115-10125.
3. Guo Xiaoqiang., *et al.* (2011) Toxicol Ind Health 27:341-348.
4. Li J.Y., *et al.* (2009) Dev. Cell 16:35-46.