

RPB171Ra01 100µg Recombinant Transferrin Receptor (TFR) Organism Species: Rattus norvegicus (Rat) *Instruction manual*

FOR IN VITRO USE AND RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PROPERTIES]

Residues: Met587~Asn756 (Accession # G3V679),	<u>kDa</u>
with N-terminal His-Tag.	94
Host: E. coli	66.2
Subcellular Location: Cell membrane;	45
Single-pass type II membrane protein.	- 33
Melanosome.	
Purity: >95%	- 26
Endotoxin Level: <1.0EU per 1µg	20
(determined by the LAL method).	20
Formulation: Supplied as lyophilized form in PBS,	14.4
pH7.4, containing 5% sucrose, 0.01% sarcosyl.	14.4
Predicted isoelectric point: 8.1	15% SDS-PAGE
Predicted Molecular Mass: 21.3kDa	
Applications: SDS-PAGE; WB; ELISA; IP.	

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

[<u>USAGE</u>]

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

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[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.

[<u>SEQUENCES</u>]

The target protein is fused with N-terminal His-Tag, its sequence is listed below. MGHHHHHHSG SEF- MVRT AAEVAGQFII KLTHDIELTL DYEMYNSKLL SFMKDLNQFK ADIKDMGLSL QWLYSARGDY FRATSRLTTD FHNAEKTNRF VMREINDRIM KVEYHFLSPY VSPRESPFRH IFWGSGSHTL SALVENLRLR QKNITAFNET LFRNQLALAT WTIQGVANAL SGDIWN

[REFERENCES]

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- 2. Mizukami S., et al. (2010) Arch. Toxicol. 84:319-331.
- 3. Wang K., et al. (2010) Wei Sheng Yan Jiu 39:426-429.
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