

RPC239Ra01 10µg

**Recombinant Thyroid Hormone Receptor Alpha (THRa)** 

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)



# [ PROPERTIES ]

**Source:** Prokaryotic expression

Host: E.coli

Residues: Met1~Pro492

Tags: N-terminal His Tag

Subcellular Location: Nucleus, Cytoplasm

**Purity:** > 97%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT,

0.01% SKL, 5% Trehalose .

Original Concentration: 200µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

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

Predicted isoelectric point: 7.3

Predicted Molecular Mass: 58.8kDa

Accurate Molecular Mass: 59kDa as determined by SDS-PAGE reducing conditions.

#### [USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

### [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. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.



## [ SEQUENCE ]

```
MEQKPSKVEC GSDPEENSAR SPDGKRKRKN GQCPLKSSMS GYIPSYLDKD EQCVVCGDKA TGYHYRCITC EGCKGFFRRT IQKNLHPTYS CKYDSCCVID KITRNQCQLC RFKKCIAVGM AMDLVLDDSK RVAKRKLIEQ NRERRRKEEM IRSLQQRPEP TPEEWDLIHV ATEAHRSTNA QGSHWKQRRK FLPDDIGQSP IVSMPDGDKV DLEAFSEFTK IITPAITRVV DFAKKLPMFS ELPCEDQIIL LKGCCMEIMS LRAAVRYDPE SDTLTLSGEM AVKREQLKNG GLGVVSDAIF ELGKSLSAFN LDDTEVALLQ AVLLMSTDRS GLLCVDKIEK SQEAYLLAFE HYVNHRKHNI PHFWPKLLMK EREVQSSILY KGAAAEGRPG GSLGVHPEGQ QLLGMHVVQG PQVRQLEQQF GEAGSLRGPV LQHQSPKSPQ QRLLELLHRS GILHSRAVCG EDDSSEASSL SSSSSDEDTE VFEDLAGKAA SP
```

### [ IDENTIFICATION ]

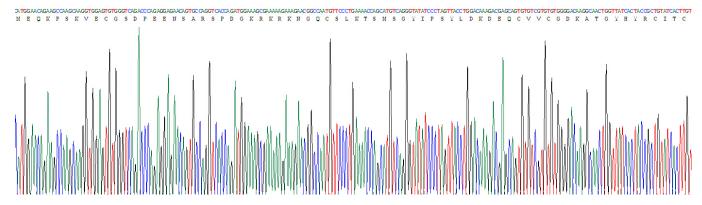


Figure . Gene Sequencing (extract)

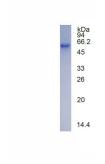


Figure. SDS-PAGE

# [ IMPORTANT NOTE ]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.