

RPC239Hu01 10µg
Recombinant Thyroid Hormone Receptor Alpha (THRa)
Organism Species: Homo sapiens (Human)
Instruction manual

FOR IN VITRO USE AND 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~Pro490

Tags: N-terminal His-Tag

Subcellular Location: Nucleus.

Purity: >98%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

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

Predicted isoelectric point: 6.4

Predicted Molecular Mass: 58.5kDa

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]

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MEQKPSKVEC  GSDPEENSAR  SPDGKRKRKN  GQCSLKTSMS  GYIPSYLDKD
EQCVVCGDKA  TGYHYRCITC  EGCKGFFRRT  IQKNLHPTYS  CKYDSCCVID
KITRNQCQLC  RFKKCIAVGM  AMDLVLDDSK  RYAKRKLIEQ  NRERRRKEEM
IRSLQQRPEP  TPEEWDLIHI  ATEAHRSTNA  QGSHWKQRRK  FLPDDIGQSP
IVSMPDGDKV  DLEAFSEFTK  IITPAITRVV  DFAKKLPMFS  ELPCEDQIIL
LKGCCMEIMS  LRAAVRYDPE  SDTLTSLGEM  AVKREQLKNG  GLGVVSDAIF
ELGKSLSAFN  LDDTEVALLQ  AVLLMSTDRS  GLLCVDKIEK  SQEAYLLAFE
HYVNHRRKHI  PHFWPKLLMK  EREVQSSILY  KGAAAEGRPG  GSLGVHPEQG
QLLGMHVVGQ  PQVRQLEQQL  GEAGSLQGPV  LQHQSPKSPQ  QRLLELLHRS
GILHARAVCG  EDDSSEADSP  SSSEEEPEVC  EDLAGNAASP
    
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[IDENTIFICATION]

CTGGAAAGCAAGCAAGGAGTGGATGGTGGTGGACCGAGAGGAGCACTCCGAGGTGACCGAGTGGAAAGCAAGAAAGAAAGACGGCAATGTTCCCTGAAAGCAGCATCTCAGGGTATATCCCTAGTTACCTGGAGCAAGAGCAGCAGTGTCTGTGTGGGACAAAGGCAGCTGGTTATCTCTACCGCTGTATCACTGT
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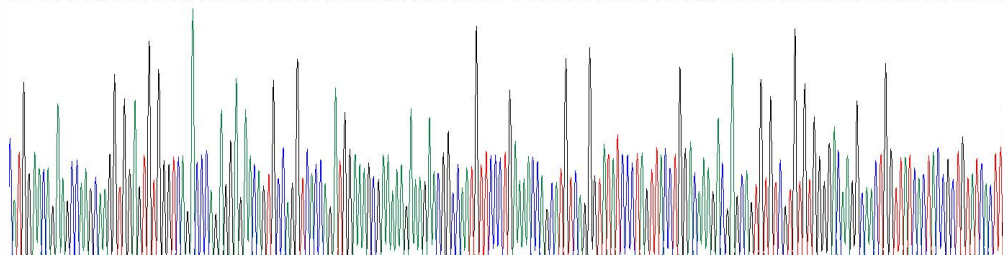


Figure 1. Gene Sequencing (Extract)

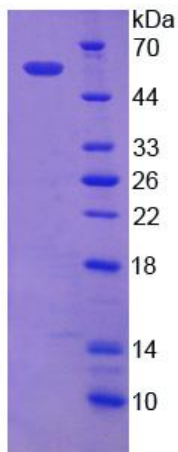


Figure 2. SDS-PAGE