

RPA557Hu01 100μg Recombinant Thyroid Peroxidase (TPO) Organism Species: *Homo sapiens (Human) Instruction manual*

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

Coud-Clone Corp.

[PROPERTIES]

Source: Prokaryotic expression **Host:** *E.coli*

Residues: Phe19~Arg846

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .

Original Concentration: 300µg/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: 6.5

Predicted Molecular Mass: 95.7kDa

Accurate Molecular Mass: 96kDa as determined by SDS-PAGE reducing conditions.

[<u>USAGE</u>]

Reconstitute in 10mM PBS (pH7.4) 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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	FF	PFISRGKELL	WGKPEESRVS	SVLEESKRLV
DTAMYATMQR	NLKKRGILSP	AQLLSFSKLP	EPTSGVIARA	AEIMETSIQA
MKRKVNLKTQ	QSQHPTDALS	EDLLSIIANM	SGCLPYMLPP	KCPNTCLANK
YRPITGACNN	RDHPRWGASN	TALARWLPPV	YEDGFSQPRG	WNPGFLYNGF
PLPPVREVTR	HVIQVSNEVV	TDDDRYSDLL	MAWGQYIDHD	IAFTPQSTSK
		PIQLPEEARP		
QGALFGNLST	ANPRQQMNGL	TSFLDASTVY	GSSPALERQL	RNWTSAEGLL
RVHARLRDSG	RAYLPFVPPR	APAACAPEPG	IPGETRGPCF	LAGDGRASEV
PSLTALHTLW	LREHNRLAAA	LKALNAHWSA	DAVYQEARKV	VGALHQIITL
RDYIPRILGP	EAFQQYVGPY	EGYDSTANPT	VSNVFSTAAF	RFGHATIHPL
		QAFFSPWTLL		
VQDQLMNEEL	TERLFVLSNS	STLDLASINL	QRGRDHGLPG	YNEWREFCGL
PRLETPADLS	TAIASRSVAD	KILDLYKHPD	NIDVWLGGLA	ENFLPRARTG
PLFACLIGKQ	MKALRDGDWF	WWENSHVFTD	AQRRELEKHS	LSRVICDNTG
LTRVPMDAFQ	VGKFPEDFES	CDSITGMNLE	AWRETFPQDD	KCGFPESVEN
GDFVHCEESG	RRVLVYSCRH	GYELQGREQL	TCTQEGWDFQ	PPLCKDVNEC
ADGAHPPCHA	SARCRNTKGG	FQCLCADPYE	LGDDGRTCVD	SGRLPR

[IDENTIFICATION]

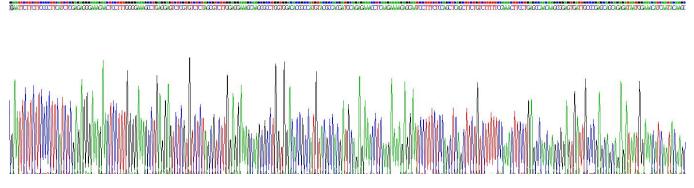
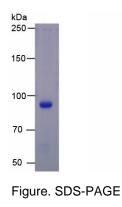


Figure . Gene Sequencing (extract)





[<u>IMPORTANT NOTE</u>]

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.