

Recombinant Thyroid Peroxidase (TPO) Instruction Manual

SIPA557Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane
Predicted Molecular Mass	95.7kDa
Accurate Molecular Mass	96kDa(Analysis of differences refer to the manual)
Residues & Tags	Phe19~Arg846 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	6.5
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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FF PFISRGKELL WGKPEESRVS SVLEESKRLV
DTAMYATMQR NLKKGILSP AQLLSFSKLP EPTSGVIARA AEIMETSIQA
MKRKVNLKTQ QSQHPTDALS EDLLSIANM SGCLPYMLPP KCPNTCLANK
YRPITGACNN RDHPRWGASN TALARWLPPV YEDGFSQPRG WNPGLYNGF
PLPPVREVTR HVIQVSNEVV TDDDRYSDLL MAWGQYIDHD IAFTPQSTSK
AAFGGGADCQ MTCENQNPCF PIQLPEEARP AAGTACLPHY RSSAACGTGD
QGALFGNLST ANPRQQMNGL TSFLDASTVY GSSPALERQL RNWTSAEGLL
RVHARLRDSG RAYLPFVPPR APAACAPEPG IPGETRGPCF LAGDGRASEV
PSLTALHTLW LREHNRLAAA LKALNAHWSA DAVYQEARV V GALHQIITL
RDYIPRILGP EAFQQYVGPY EGYDSTANPT VSNVFSTAAF RFGHATIHPL
VRRLDASFQE HPDLPLGLWLH QAFFSPWTL RGGGLDPLIR GLLARPAKLO
VQDQLMNEEL TERLFVLSNS STLDLASINL QRGRDHGLPG YNEWREFCGL
PRLETPADLS TAIASRSVAD KILDLYKHPD NIDVWLGGLA ENFLPRARTG
PLFACLIGKQ MKALRDGDFW W WENSHVFTD AQRRELEKHS LSRVICDNTG
LTRVPMDAFQ VGKFPEDFES CDSITGMNLE AWRETFPQDD KCGFPESVEN
GDFVHCEESG RRVLVYSCRH GYELQGREQL TCTQEGWDFQ PPLCKDVNEC
ADGAHPPCHA SARCRNTKGG FQCLCADPYE LGDDGRTCVD SGRLPR
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USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

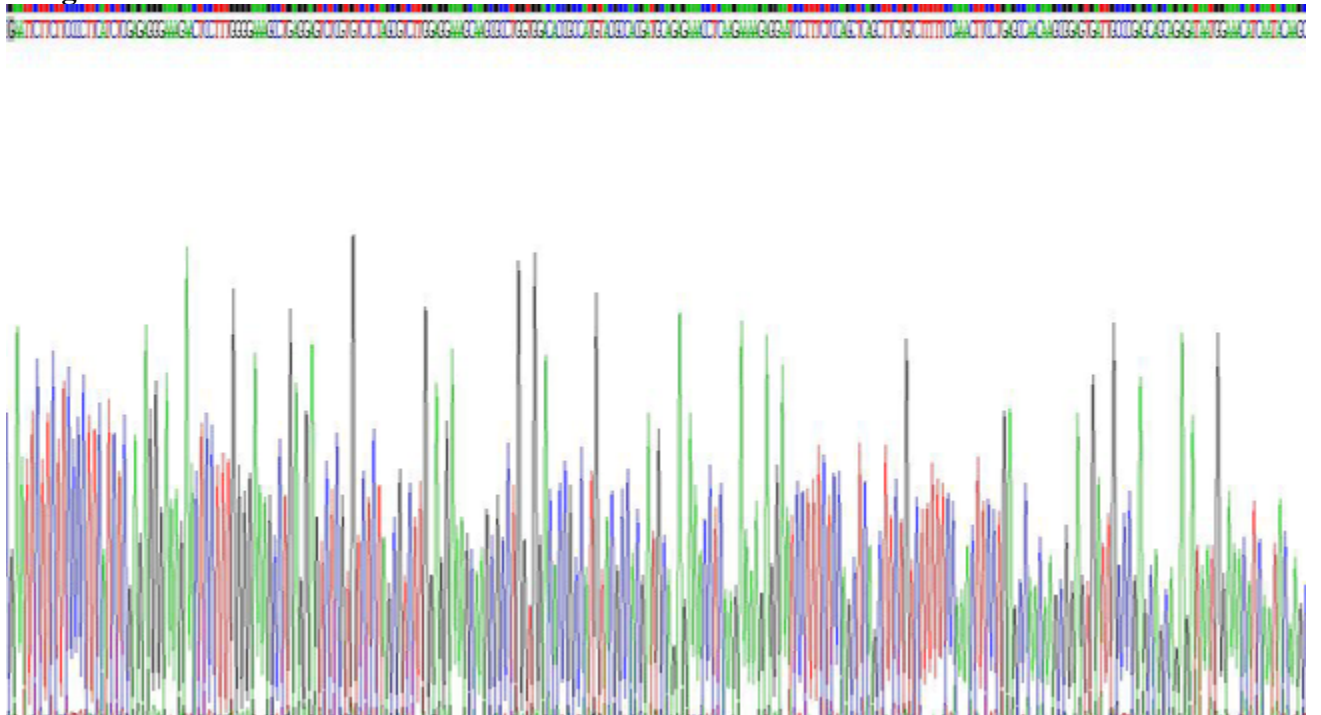


Figure. SDS-PAGE

[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.