

Recombinant Tissue Factor Pathway Inhibitor (TFPI) Instruction Manual

SIPA616Ra01

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	32.7kDa
Accurate Molecular Mass	36kDa(Analysis of differences refer to the manual)
Residues & Tags	Leu29~His302 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.05% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	8.2
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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LP EEDDDTINTD SELRPMKPLH
TFCAMKAEDG PCKAMIRSY FNMNSHQCEE FIYGGCRGNK NRFDLTLEECR
KTCIPGYKKT TIKTTSGAEK PDFCFLEEDP GICRGFMTRY FYNNQSKQCE
QFKYGGCLGN SNNFETLEEC RNTCEDPVNE VQKGDYVTNQ ITVTDRTTVN
NVVIPQATKA PSQWDYDGPS WCLEPADSGL CKASEKRFYY NPAIGKCRQF
NYTGCGGNNN NFTTKQDCNR ACKKDSSKKS SKRAKTQRRR KSFVKVMYEN
IH
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LP EEDDDTINTD SELRPMKPLH
TFCAMKAEDG PCKAMIRSY FNMNSHQCEE FIYGGCRGNK NRFDLTLEECR
KTCIPGYKKT TIKTTSGAEK PDFCFLEEDP GICRGFMTRY FYNNQSKQCE
QFKYGGCLGN SNNFETLEEC RNTCEDPVNE VQKGDYVTNQ ITVTDRTTVN
NVVIPQATKA PSQWDYDGPS WCLEPADSGL CKASEKRFYY NPAIGKCRQF
NYTGCGGNNN NFTTKQDCNR ACKKDSSKKS SKRAKTQRRR KSFVKVMYEN
IH
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USAGE

Reconstitute in ddH₂O to a concentration of 0.1-0.5 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

1 L T G G G G A G G A G C G A G T G C A T T A A A C A G C A T T G G C A G C G C C A T G A A C C G T T G C A T T C T G T G T A A G A G C G C G A G A G C G G C C C C T G A A G A G T A T A G G A G T T A T A T C T A T A T G A C A G T C T A C C A G T G T A C A T T T A T A G C G G G G A T C A G A G G A A G A A G A A G C C A T T T G A T C T G G A G
1 P E E D D D T I N T D S E L R P N K P L H T F C A N K A E D G P C K A H I R S Y V L N W W S H Q C E E F I Y G G C R G N K N R F D T L E E

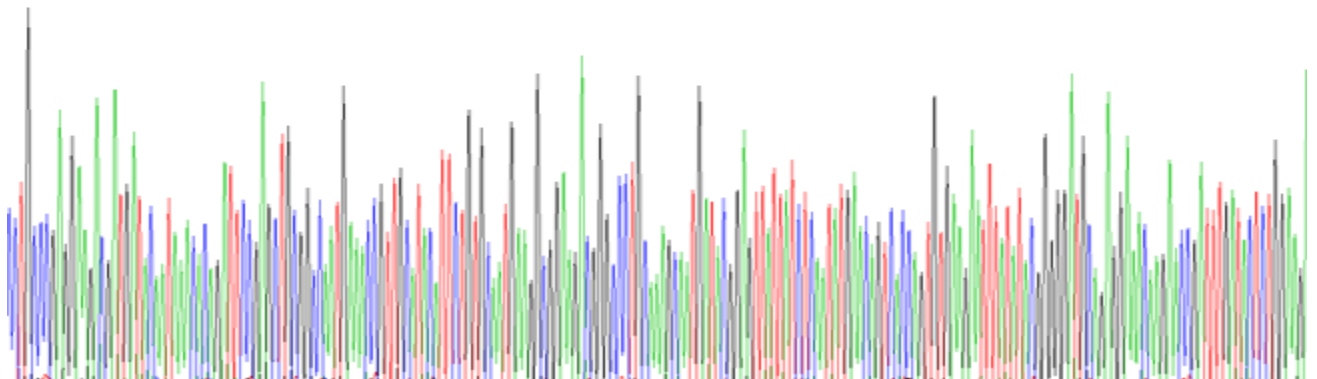


Figure. SDS-PAGE

[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.