Recombinant Rat Thpo protein, His & T7-tagged

Cat. No. Thpo-575R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Thpo aa. (Val24~Ser266 (Accession # P49745)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Val24~Ser266
Description	Membrane-bound glycoprotein; iodinates tyrosine residues in thyroglobulin to generate biologically active thyroid hormones T3 and T4.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.8kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 10.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Thpo thrombopoietin [Rattus norvegicus (Norway rat)]
Official Symbol	Thpo
Synonyms	thrombopoietin
Gene ID	81811
mRNA Refseq	NM_031133.2
Protein Refseq	NP_112395.1
UniProt ID	P49745

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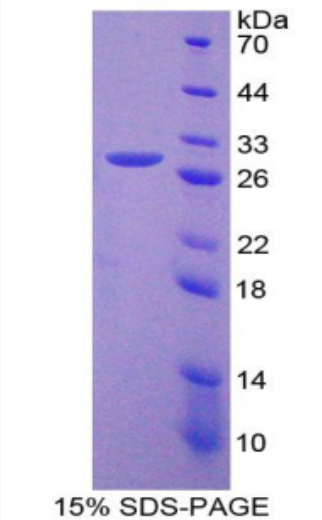
SDS-PAGE	 15% SDS-PAGE

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