

Recombinant Rat Th protein, His & S-tagged

Cat. No. Th-6963R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Th aa. (Phe34~Leu301 (Accession # P04177)) fused with N-terminal His & S tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Phe34~Leu301
Description	Catalyzes the rate limiting step in catecholamine biosynthesis; may be involved in response to hypoxia.
Form	Freeze-dried powder
Molecular Mass	36 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.1.
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 liquid form in Phosphate buffered saline(PBS), pH 7.4.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name

Th tyrosine hydroxylase [*Rattus norvegicus* (Norway rat)]

Official Symbol

Th

Synonyms

Th; tyrosine hydroxylase; The; tyrosine 3-monooxygenase; tyrosine 3-hydroxylase

Gene ID

25085

mRNA Refseq


NM_012740.3

Protein Refseq


NP_036872.1

UniProt ID

P04177

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