

## Recombinant Rat Th protein, His & S-tagged

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

### SPECIFICATION

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