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Datasheet for ABIN7586323

**Tyrosine Hydroxylase Protein (TH) (AA 2-491) (His tag)**

## Overview

Quantity:	100 µg
Target:	Tyrosine Hydroxylase (TH)
Protein Characteristics:	AA 2-491
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tyrosine Hydroxylase protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	PTPNAASPQ AKGFRRVSE LDAQAEAIM SPRFVGRRQS LIQDARKERE KAEAAASSSE SAEAAAWLER DGEAVLTLF ALPPTRPPAL TRAIKVFETF EAHLHHLETR PAQPLRAGSP PLECFVRCEV PGPVVPALLS ALRRVAEDVR AAGESKVLWF PRKVSeldKC HHLVTKFDPD LDDLHPGFSD QAYRQRRKLI AEIAFQYKQG DPIPHEVETA EETATWKEVY STLRGLYPH ACREHLEAFE LLERFCGYRE DRIPQLEDVS RFLKERTGFQ LRPAAGLLSA RDFLASLAFR VFQCTQYIRH ASSPMHSPEP ECHELLGHV PMLADRTFAQ FSQDIGLASL GVSDEEIEKL STLYWFTVEF GLCKQNGEVK AYGAGLLSSY GELLHSLSEE PEIRAFDPDA AAVQPYQDQT YQPVYFVSES FSDAKDKLRS YASRIQRPFS VKFDPYTLAI DVLDSPHAIR HALDGVQDEM QALAHALNAI S
Specificity:	Bos taurus (Bovine)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

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Purity: > 90 %

## Target Details

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Target: Tyrosine Hydroxylase (TH)

Alternative Name: Tyrosine 3-monooxygenase (TH) ([TH Products](#))

Background: Recommended name: Tyrosine 3-monooxygenase.

EC= 1.14.16.2.

Alternative name(s): Tyrosine 3-hydroxylase.

Short name= TH

UniProt: [P17289](#)

Pathways: [Dopaminergic Neurogenesis](#), [Response to Water Deprivation](#), [Sensory Perception of Sound](#), [Carbohydrate Homeostasis](#), [Feeding Behaviour](#)

## Application Details

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Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

## Handling

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Storage: -20 °C

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.