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Datasheet for ABIN1655952

Tyrosine Hydroxylase Protein (TH) (AA 1-488) (His tag)

Overview

Quantity:	1 mg
Target:	Tyrosine Hydroxylase (TH)
Protein Characteristics:	AA 1-488
Origin:	Anguilla anguilla
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tyrosine Hydroxylase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MPISNSSGSS TKSITRAGSE LDRADSITSP RFVGRRQSLI EDARKEREA AAAESSEASE QIVFDEEDGK ALLNLFFTLR SSKIPALSRA LKVFETFEAK IHHLETRTRR KPKDSLEDLE YFVRCEVHLA DVSTLISSIR RIAEDVRTTK EVKFHWFPKK ISELD SCHHL VTKFDPDL DQ DHPGFTDPVY RQRRRMIGE I AFRYKHGEPI PRVEYTEEEI GTWREVYSTL RDLYTTHACS EHLEAFRLLE RHCGYSPNSI PQLEDVSHFL KERTGFQLRP VAGLLSARDF LASLAFRVFQ CTQYIRHASS PMHSPEPDCV HELLGHVPML ADRTFAQFSQ NIGLASLGAS EEDIEKLSTL YWFTVEFGLC KQGDGVKAYG AGLLSY GEL VHSL SDEPER REFDP EAAAA EPYQDQNYQS VYFVSESFTD AKEKLRVYAA GINRPFSVRF DPTYTYSIEVL DNPLKIRGGL ESKDELKVL TDALNVLA
Specificity:	Anguilla anguilla (European freshwater eel) (Muraena anguilla)
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

Purity: > 90 %

Target Details

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: [O42091](#)

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

Application Details

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

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

Storage: -20 °C

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