Datasheet for ABIN7591662

Tyrosine Hydroxylase Protein (TH) (AA 2-498) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	Tyrosine Hydroxylase (TH)
Protein Characteristics:	AA 2-498
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tyrosine Hydroxylase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	PTPSAPSPQP KGFRRAVSEQ DAKQAEAVTS PRFIGRRQSL IEDARKEREA AAAAAAAAVA SSEPGNPLEA VVFEERDGNA VLNLLFSLRG TKPSSLSRAV KVFETFEAKI HHLETRPAQR PLAGSPHLEY FVRFEVPSGD LAALLSSVRR VSDDVRSARE DKVPWFPRKV SELDKCHHLV TKFDPDLDLD HPGFSDQVYR QRRKLIAEIA FQYKHGEPIP HVEYTAEEIA TWKEVYVTLK GLYATHACRE HLEGFQLLER YCGYREDSIP QLEDVSRFLK ERTGFQLRPV AGLLSARDFL ASLAFRVFQC TQYIRHASSP MHSPEPDCCH ELLGHVPMLA DRTFAQFSQD IGLASLGASD EEIEKLSTVY WFTVEFGLCK QNGELKAYGA GLLSSYGELL HSLSEEPEVR AFDPDTAAVQ PYQDQTYQPV YFVSESFNDA KDKLRNYASR IQRPFSVKFD PYTLAIDVLD SPHTIQRSLE GVQDELHTLA HALSAIS
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien 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:	P04177
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 modificated 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