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Datasheet for ABIN1474133 TDO2 Protein (AA 1-406) (His tag)



Overview	
Quantity:	1 mg
Target:	TD02
Protein Characteristics:	AA 1-406
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This TDO2 protein is labelled with His tag.
Application:	ELISA
Product Details	
Sequence:	MSGCPFSGNS VGYTLKNLSM EDNEEDGAQT GVNRASKGGL IYGDYLQLEK ILNAQELQSE
	IKGNKIHDEH LFIITHQAYE LWFKQILWEL DSVREIFQNG HVRDERNMLK VMTRMHRVVV
	IFKLLVQQFS VLETMTALDF NDFREYLSPA SGFQSLQFRL LENKIGVLQS LRVPYNRKHY
	RDNFEGDYNE LLLKSEQEQT LLQLVEAWLE RTPGLEPHGF NFWGKFEKNI LKGLEEEFLK
	IQAKKDSEEK EEQMAEFRKQ KEVLLCLFDE KRHDYLLSKG ERRLSYRALQ GALMIYFYRE
	EPRFQVPFQL LTSLMDIDTL MTKWRYNHVC MVHRMLGSKA GTGGSSGYYY LRSTVSDRYK
	VFVDLFNLSS YLVPRHWIPK MNPIIHKFLY TAEYSDSSYF SSDESD
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.
Purity:	> 90 %

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Target Details

Target:	TDO2
Abstract:	TD02 Products
Background:	Recommended name: Tryptophan 2,3-dioxygenase.
	Short name= TDO.
	EC= 1.13.11.11.
	Alternative name(s): Tryptamin 2,3-dioxygenase Tryptophan oxygenase.
	Short name= TO.
	Short name= TRPO Tryptophan pyrrolase Tryptophanase
UniProt:	P21643

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
Storage:	-20 °C

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

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