Datasheet for ABIN1476677

ENOS Protein (AA 1-99) (His tag)

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Overview

Quantity:	1 mg
Target:	ENOS (NOS3)
Protein Characteristics:	AA 1-99
Origin:	Sheep
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENOS protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	VAVCMDLDTR TTSSLWKDKA AVEINLAVLH SFQLAKVTIV DHHAATVSFM KHLENEQKAR GGCPADWAWI VPPISGSLTP VFHQEMVNYV LSPAFRYQP
Specificity:	Ovis aries (Sheep)
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 %

Target Details

Target:	ENOS (NOS3)
Alternative Name:	Nitric oxide synthase, endothelial (NOS3) (NOS3 Products)

Target Details

Background:	Recommended name: Nitric oxide synthase, endothelial. EC= 1.14.13.39. Alternative name(s): Constitutive NOS. Short name= cNOS. EC-NOS Endothelial NOS. Short name= eNOS NOS type III. Short name= NOSIII
UniProt:	P79209
Pathways:	ACE Inhibitor Pathway, Regulation of Systemic Arterial Blood Pressure by Hormones, Cellular Response to Molecule of Bacterial Origin, Myometrial Relaxation and Contraction, Signaling Events mediated by VEGFR1 and VEGFR2, Thromboxane A2 Receptor Signaling, VEGFR1 Specific Signals, VEGF Signaling

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.