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## NPL Protein (AA 1-266) (His tag)



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Overview	
Quantity:	1 mg
Target:	NPL
Protein Characteristics:	AA 1-266
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPL protein is labelled with His tag.
Application:	ELISA
Product Details	
Sequence:	MAFTGKRLKG LIAATFTPMT PNSDINLLVI EQYVDYLVQK QHIRNIFVNG TTGEGMSLSI
	CERKRLTEEW VKHARGKMDN VIVHVGCLGL SDSKDLAAHA ASCGADAISA VCPSFLKPAN
	LDALVLYLKD VASAAPSLPF YYYHIPKLTG ITYQIYELLG KVKENIPSFR GVKFSDVNLM
	DFSLCVSEYK EFDCLYGVDE QLLGALAFGA HGAVGSTYNY LGNKNGDMLE AFEAGNLQKA
	RKIQCSLQEF LYFVFDMAHF SGSKAN
Specificity:	Xenopus laevis (African clawed frog)
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:	NPL
Alternative Name:	N-acetylneuraminate lyase B (npl-b) (NPL Products)
Background:	Recommended name: N-acetylneuraminate lyase B.
	Short name= NALase B.
	EC= 4.1.3.3.
	Alternative name(s): N-acetylneuraminate pyruvate-lyase B N-acetylneuraminic acid aldolase B
	Sialate Iyase B Sialate-pyruvate Iyase B Sialic acid aldolase B Sialic acid Iyase B
UniProt:	Q5XGL8

### **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.