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# POMC Protein (AA 27-99) (His tag)



#### Overview

Target:

Alternative Name:

POMC

Quantity:	1 mg
Target:	POMC
Protein Characteristics:	AA 27-99
Origin:	Macaca nemestrina
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This POMC protein is labelled with His tag.
Application:	ELISA
Product Details	
Sequence:	WCLE SSQCQDLTTE SNLLECIRAC KPDLSAETPV FPGNGDEQPL TENPRKYVMG HFRWDRFGRR
	NSSSGSAHQ
Specificity:	Macaca nemestrina (Pig-tailed macaque)
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 %

Pro-opiomelanocortin (POMC) (POMC Products)

#### Target Details

Background:

Recommended name: Pro-opiomelanocortin.

Short name= POMC.

Alternative name(s): Corticotropin-lipotropin Cleaved into the following 11 chains: 1.

NPP 2.

Melanotropin gamma.

Alternative name(s): Gamma-MSH Potential peptide Corticotropin.

Alternative name(s): Adrenocorticotropic hormone.

Short name= ACTH Melanotropin alpha.

Alternative name(s): Alpha-MSH Corticotropin-like intermediary peptide.

Short name= CLIP Lipotropin beta.

Alternative name(s): Beta-LPH Lipotropin gamma.

Alternative name(s): Gamma-LPH Melanotropin beta.

Alternative name(s): Beta-MSH Beta-endorphin Met-enkephalin

UniProt:

P01201

Pathways:

Metabolism of Steroid Hormones and Vitamin D, Peptide Hormone Metabolism, Hormone

Activity, 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

## Handling

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.