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Datasheet for ABIN1667026

POMC Protein (AA 1-52) (His tag)

Overview

Quantity:	1 mg
Target:	POMC
Protein Characteristics:	AA 1-52
Origin:	Sheep
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This POMC protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	PDLSAETPVF PGNCDEQPLT ENPRKYVMGH FRWDRFGRRN GSSSFGAGGA AQ
Specificity:	Ovis aries (Sheep)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	POMC
Alternative Name:	Pro-opiomelanocortin (POMC) (POMC Products)
Background:	Recommended name: Pro-opiomelanocortin.

Target Details

Short name= POMC.

Alternative name(s): Corticotropin-lipotropin Cleaved into the following 10 chains: 1.

NPP 2.

Melanotropin gamma.

Alternative name(s): Gamma-MSH Corticotropin.

Alternative name(s): Adrenocorticotrophic 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: [P01191](#)

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 modified 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

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.