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Datasheet for ABIN1476045

Aromatase Protein (AA 1-508) (His tag)

Overview

Quantity:	1 mg
Target:	Aromatase (CYP19A1)
Protein Characteristics:	AA 1-508
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Aromatase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MFLEMLNPMH YNVTIMVPET VPVSAMPLLL IMGLLLLIRN CESSSSIPGP GYCLGIGPLI SHGRFLWMGI GSACNYYNKM YGEFMRVWIS GEETLIISKS SSMVHVMKHS NYISRFGSKR GLQCIGMHEN GIIFNNNPSL WRTVRPFFMK ALTGPGILRM VEVCVESIKQ HLDRLGDVTD NSGYVDVVTL MRHIMLDTSN TLFLGIPLDE SSIVKKIQGY FNAWQALLIK PNIFFKISWL YRKYERSVKD LKDEIILVE KKRQKVSSAE KLEDCMDFAT DLIFAERRGD LTKENVNQCI LEMLIAAPDT MSVTLYVMLL LIAEYPEVET AILKEIHTVV GDRDIRIGDV QNLKVVENFI NESLRYQPVV DLVMRRALED DVIDGYPVKK GTNIILNIGR MHRLEYFPKP NEFTLENFEK NVPYRYFQPF GFGPRSCAGK YIAMVMMKVV LVTLLKRFHV KTLQKRCIEN MPKNNDLSLH LDEDSPIVEI IFRHIFNTPF LQCLYISL
Specificity:	Rattus norvegicus (Rat)
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.

Product Details

Purity: > 90 %

Target Details

Target: Aromatase (CYP19A1)

Alternative Name: Cytochrome P450 19A1 (Cyp19a1) ([CYP19A1 Products](#))

Background: Recommended name: Cytochrome P450 19A1.
EC= 1.14.14.1.
Alternative name(s): Aromatase CYPXIX Cytochrome P-450AROM Estrogen synthase

UniProt: [P22443](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Steroid Hormone Biosynthesis](#), [C21-Steroid Hormone Metabolic Process](#), [Carbohydrate Homeostasis](#)

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 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.