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Datasheet for ABIN1476223

CYP1A1 Protein (AA 2-524) (His tag)

Overview

Quantity:	1 mg
Target:	CYP1A1
Protein Characteristics:	AA 2-524
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP1A1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>PSVYGFPAP TSATELLAV TTFCLGFVVV RVTRTWVPKG LKSPGPWGL PFIGHVLTLG</p> <p>KNPHLSLTKL SQQYGDVLQI RIGSTPVVWL SGLNTIKQAL VKQGDDFKGR PDLYSFTLIA</p> <p>NGQSMTFNPD SGPLWAARRR LAQNALKSFS IASDPTLASS CYLEEHVSKE AEYLISKFQK</p> <p>LMAEVGHFDP FKYLVVSVAN VICAICFGRR YDHDDQELLS IVNLSNEFGE VTGSGYPADF</p> <p>IPIRLYLPNS SLDAFKDLNK KFYSFMKKLI KEHYRTFEKG HIRDITDSLI EHCQDRRLDE</p> <p>NANVQLSDDK VITIVFDLFG AGFDTITTAI SWSLMYLVN PRIQRKIQEE LDTVIGRDRQ</p> <p>PRLSDRPQLP YLEAFILETF RHSSFVPFTI PHSTIRDTSL NGFYIPKGHC VFNQWQVNH</p> <p>DQELWGPNE FRPERFLTSS GTLDKHLSEK VILFGLGKRK CIGETIGRLE VFLFLAILLQ</p> <p>QMEFNVSPGE KVDMPAYGL TLKHARCEHF QVQMRSSGPQ HLQA</p>
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: CYP1A1

Alternative Name: Cytochrome P450 1A1 (Cyp1a1) ([CYP1A1 Products](#))

Background: Recommended name: Cytochrome P450 1A1.
Short name= CYP1A1.
EC= 1.14.14.1.
Alternative name(s): CYPIA1 Cytochrome P450-C Cytochrome P450MT2 Cleaved into the following 2 chains: 1.
Cytochrome P450MT2A 2.
Cytochrome P450MT2B

UniProt: [P00185](#)

Pathways: [Steroid Hormone Biosynthesis](#), [Regulation of Lipid Metabolism by PPARalpha](#)

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.