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Datasheet for ABIN1635801

AKR1C3 Protein (AA 1-323) (His tag)

Overview

Quantity:	1 mg
Target:	AKR1C3
Protein Characteristics:	AA 1-323
Origin:	Orang-Utan
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKR1C3 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MDSKHQCVKL NDGHFMPVLG FGTYAPPEVP RSKALEVTKL AIEAGFRHID SAHLYNNEEQ VGLAIRSKIA DGSVKREDIF YTSKLWSTFH RPELVRPALE NSLKKAQLDY VDLYLIHSPM SLKPGEELSP TDENGKVIFD IVDLCTTWEA MEECKDAGLA KSIGVSNFNR RQLEMILNKP GLKYKPVCNQ VECHPYFNRS KLLDFCKSKD IVLVAYSALG SQRDKRWVDP NSPVLLEDPV LCALAKKHKR TPALIALRYQ LQRGVVVLAK SYNEQRIREN VQVFEFQLTA EDMRAIDGLN RNLHYFNSDS LASHPNYPYS DEY
Specificity:	Pongo abelii (Sumatran orangutan)
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:	AKR1C3
Alternative Name:	Aldo-keto reductase family 1 member C3 homolog (AKR1C3) (AKR1C3 Products)
Background:	<p>Recommended name: Aldo-keto reductase family 1 member C3 homolog.</p> <p>EC= 1.-.-.-.</p> <p>Alternative name(s): 17-beta-hydroxysteroid dehydrogenase type 5.</p> <p>Short name= 17-beta-HSD 5 3-alpha-hydroxysteroid dehydrogenase type 2.</p> <p>Short name= 3-alpha-HSD type 2.</p> <p>EC= 1.1.1.213 Indanol dehydrogenase.</p> <p>EC= 1.1.1.112 Prostaglandin F synthase.</p> <p>Short name= PGFS.</p> <p>EC= 1.1.1.188 Testosterone 17-beta-dehydrogenase 5.</p> <p>EC= 1.1.1.63.</p> <p>EC= 1.1.1.64 Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase.</p> <p>EC= 1.3.1.20</p>
UniProt:	Q5R7C9
Pathways:	Retinoic Acid Receptor Signaling Pathway , Steroid Hormone Biosynthesis , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , C21-Steroid Hormone Metabolic Process , Protein targeting to Nucleus

Application Details

Comment:	<p>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 modiflicated 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.</p>
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.