Datasheet for ABIN1628941

AKR1A1 Protein (AA 2-325) (His tag)

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Overview

Quantity:	1 mg
Target:	AKR1A1
Protein Characteristics:	AA 2-325
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKR1A1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	AASCILLHT GQKMPLIGLG TWKSDPGQVK AAIKYALSVG YRHIDCAAIY GNETEIGEAL KENVGPGKLV PREELFVTSK LWNTKHHPED VEPALRKTLA DLQLEYLDLY LMHWPYAFER GDSPFPKNAD GTIRYDSTHY KETWRALEAL VAKGLVRALG LSNFNSRQID DVLSVASVRP AVLQVECHPY LAQNELIAHC QARNLEVTAY SPLGSSDRAW RDPEEPVLLK EPVVLALAEK HGRSPAQILL RWQVQRKVSC IPKSVTPSRI LENIQVFDFT FSPEEMKQLD ALNKNLRFIV PMLTVDGKRV PRDAGHPLYP FNDPY
Specificity:	Bos taurus (Bovine)
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 %

Target Details

Target:	AKR1A1
Alternative Name:	Alcohol dehydrogenase [NADP (+)] (AKR1A1) (AKR1A1 Products)
Background:	Recommended name: Alcohol dehydrogenase [NADP(+)]. EC= 1.1.1.2. Alternative name(s): Aldehyde reductase Aldo-keto reductase family 1 member A1
UniProt:	Q3ZCJ2
Pathways:	Monocarboxylic Acid Catabolic Process

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
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.