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Datasheet for ABIN1641389

AKR1C4 Protein (AA 1-323) (His tag)

Overview

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| Quantity: | 1 mg |
| Target: | AKR1C4 |
| Protein Characteristics: | AA 1-323 |
| Origin: | Cynomolgus |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This AKR1C4 protein is labelled with His tag. |
| Application: | ELISA |

Product Details

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| Sequence: | MDPKYQRVAL NDGHFMPVLG FGTYAPPEVP RNRVVEVTKL AIEAGFRHID SAYLYNNEEQ VGLAIRSKIA DGSVKREDIF YTSKLWCTFF RPQLVQPALE SSLKKQLDY VDLYLIHFPM ALKPGETPLP KDENGKVMFD TVDLCAIWEA MEKCKDAGLA KSIGVSNFNR RQLEMILNNP GLKYKPVCNQ VECHPYLNQS KLLDFCKSKD IVLVAHSALG TQRHKLWVDQ NSPALLEDPV LCALAKKHKR SPALIALRYQ LQRGVVVLAK SYNEQRIREN VQVFEFQLTS EDMKVLDDLN RNFYVVMDF LVDHPDYPFS DEY |
| Specificity: | Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey) |
| 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

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| Target: | AKR1C4 |
| Abstract: | AKR1C4 Products |
| Background: | <p>Recommended name: Aldo-keto reductase family 1 member C4.</p> <p>EC= 1.1.1.-.</p> <p>Alternative name(s): 3-alpha-HSD1 3-alpha-hydroxysteroid dehydrogenase type I.</p> <p>EC= 1.1.1.50 Chlordecone reductase.</p> <p>Short name= CDR.</p> <p>EC= 1.1.1.225 Dihydrodiol dehydrogenase 4.</p> <p>Short name= DD-4.</p> <p>Short name= DD4</p> |
| UniProt: | Q95JH5 |
| Pathways: | Steroid Hormone Biosynthesis |

Application Details

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| 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

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| 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.