Datasheet for ABIN1654509

CYP11A1 Protein (AA 37-520) (His tag)

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Overview

Quantity:	1 mg
Target:	CYP11A1
Protein Characteristics:	AA 37-520
Origin:	Golden Syrian Hamster
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP11A1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	ISTN SPRPFNEIPS PGDNGWLNLY HFWRENGTHR IHYHHMQNFQ KYGPIYREKL GNKDSVYILD PEDAAQLFLS EGPYPERYLV PPWVAYHQYY KRPIGVLFKS SEAWKKDRLV LNQEVMAPEA IKNFVPLLEG VVQDFINVLH RRIKQQKSGN FSGDISDDLF RFAFESITSV VFGERLGMLE EIVDPESQRF IDAIYQMFHT SVPMLNLPPE LFRFFRTKTW KEHAAAWDMI FKKADDYTQT FYWDLRQKQE FSKYPGVLYS LLGGNKLPFK NIQANITEML AGGVDTTSMT LQWSLYEMAH NLKVQEMLRA EVLAARRQAQ GDMVKMVQLV PLLKASIKET LRLHPISVTV QRYLVDDLVL RNYRIPAKML VQVANYAMGR EPSFFPNPNK FDPTRWLEKS KNTTHFRYLS FGWGVRQCLG RRIAELEMTI FLINVLENFR IELQSLHDVG TKFNLILMPE KPILFNLQPL KKDLGTTTNR
Specificity:	Mesocricetus auratus (Golden hamster)
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.

Product Details

Purity:	> 90 %

Target Details

Target:	CYP11A1
Alternative Name:	Cholesterol side-chain cleavage enzyme, mitochondrial (CYP11A1) (CYP11A1 Products)
Background:	Recommended name: Cholesterol side-chain cleavage enzyme, mitochondrial. EC= 1.14.15.6. Alternative name(s): CYPXIA1 Cholesterol desmolase Cytochrome P450 11A1 Cytochrome P450(scc)
UniProt:	Q9EPT4
Pathways:	Metabolism of Steroid Hormones and Vitamin D, Steroid Hormone Biosynthesis, C21-Steroid Hormone Metabolic Process, Cellular Response to Molecule of Bacterial Origin

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

Handling

Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.