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CYP21A2 Protein (AA 1-495) (GST tag)



Image



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Quantity:	25 μg	
Target:	CYP21A2	
Protein Characteristics:	AA 1-495	
Origin:	Human	
Source:	Wheat germ	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This CYP21A2 protein is labelled with GST tag.	
Application:	Western Blotting (WB), ELISA, Affinity Purification (AP), Antibody Array (AA)	

Product Details	
Purpose:	CYP21A2 (Human) Recombinant Protein (P01)
Sequence:	MLLLGLLLLL PLLAGARLLW NWWKLRSLHL PPLAPGFLHL LQPDLPIYLL GLTQKFGPIY
	RLHLGLQDVV VLNSKRTIEE AMVKKWADFA GRPEPLTYKL VSRNYPDLSL GDYSLLWKAH
	KKLTRSALLL GIRDSMEPVV EQLTQEFCER MRAQPGTPVA IEEEFSLLTC SIICYLTFGD
	KIKDDNLMPA YYKCIQEVLK TWSHWSIQIV DVIPFLRFFP NPGLRRLKQA IEKRDHIVEM
	QLRQHKESLV AGQWRDMMDY MLQGVAQPSM EEGSGQLLEG HVHMAAVDLL IGGTETTANT
	LSWAVVFLLH HPEIQQRLQE ELDHELGPGA SSSRVPYKDR ARLPLLNATI AEVLRLRPVV
	PLALPHRTTR PSSISGYDIP EGTVIIPNLQ GAHLDETVWE RPHEFWPDRF LEPGKNSRAL
	AFGCGARVCL GEPLARLELF VVLTRLLQAF TLLPSGDALP SLQPLPHCSV ILKMQPFQVR
	LQPRGMGAHS PGQSQ
Characteristics:	Human CYP21A2 full-length ORF (BAG37212.1, 1 a.a 495 a.a.) recombinant protein with GST
	tag at N-terminal.

Product Details Purification: in vitro wheat germ expression system **Target Details** Target: CYP21A2 Alternative Name CYP21A2 (CYP21A2 Products) Background: Synonyms: CA21H,CAH1,CPS1,CYP21,CYP21B,MGC150536,MGC150537,P450c21B Gene Description: cytochrome P450, family 21, subfamily A, polypeptide 2 Gene Name: CYP21A2 Gene Summary: This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and hydroxylates steroids at the 21 position. Its activity is required for the synthesis of steroid hormones including cortisol and aldosterone. Mutations in this gene cause congenital adrenal hyperplasia. A related pseudogene is located near this gene, gene conversion events involving the functional gene and the pseudogene are thought to account for many cases of steroid 21-hydroxylase deficiency. Two transcript variants encoding different isoforms have been found for this gene. GenBank: AK314651.1, BAG37212.1 Molecular Weight: 80.85 kDa (theoreatical) Gene ID: 1589 Metabolism of Steroid Hormones and Vitamin D, Steroid Hormone Biosynthesis, C21-Steroid Pathways: Hormone Metabolic Process **Application Details** Application Notes: Optimal working dilution should be determined by the investigator. Restrictions: For Research Use only Handling Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.

Aliquot to avoid repeated freezing and thawing.

-80 °C

Handling Advice:

Storage:

Storage Comment:

Best use within three months from the date of receipt of this protein.

Images

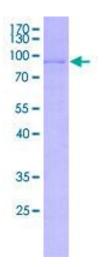


Image 1.