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- Diagnostik & molekulare Diagnostik
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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CYP21A2 (Human) Recombinant Protein (P01)

Catalog Number: H00001589-P01

Regulation Status: For research use only (RUO)

Product Description: Human CYP21A2 full-length ORF (BAG37212.1, 1 a.a. - 495 a.a.) recombinant protein with GST tag at N-terminal.

Sequence:
MLLLGLLLLLPLLAGARLLWNWWKLRSLHLPPLAPGFL
HLLQPDLPIYLLGLTQKFGPIYRLHLGLQDVVVLNSKRT
IEEAMVKKWADFAGRPEPLTYKLVSRNYPDLSLGDYS
LLWKAHKKLTRSALLLGIRDSMEPVVEQLTQEFCERM
RAQPGTPVAIEEEFSLLTCSIICYLTFGDKIKDDNLMPA
YYKCIQEVLKTWSHWSIQIVDVIPFLRFFPNPGLRRLKQ
AIEKRDHIVEMQLRQHKESLVAGQWRDMMDYMLQGV
AQPSMEEGSGQLLEGHVHMAAVDLLIGGTETTANTLS
WAVVFLLHHPEIQQRLQEELDHELGPGASSSRVPYKD
RARLPLLNATIAEVLRLRPVVPLALPHRTTRPSSISGYDI
PEGTVIIPNLQGAHLDETVWERPHEFWPDRFLEPGKN
SRALAFGCGARVCLGEPLARLELFVVLTRLLQAFTLLP
SGDALPSLQPLPHCSVILKMQPFQVRLQPRGMGAHSP
GQSQ

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 80.85

Interspecies Antigen Sequence: Mouse (71); Rat (70)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Preparation Method: *in vitro* wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1589

Gene Symbol: CYP21A2

Gene Alias: CA21H, CAH1, CPS1, CYP21, CYP21B, MGC150536, MGC150537, P450c21B

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. [provided by RefSeq]