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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CYP3A4 (Human) Recombinant Protein (P01)

Catalog Number: H00001576-P01

Regulation Status: For research use only (RUO)

Product Description: Human CYP3A4 full-length ORF (AAI01632.1, 1 a.a. - 503 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MALIPDLAMETWLLLAVSLVLLLYLGTSHGLFKKLGIP
GPTPLPFLGNILSYHKGFCMFDMECHKKYGKVVWGFY
DGQQPVLAITDPDMIKTVLVKECYSVFTNRRPFGPVGF
MKSASIAEDEEWKRLRSLLSPTFTSGKLEKEMVPIIAQY
GDVLRNLRREAETGKPVTLKDVFGAYSMDVITSTSF
GVNIDSLNNPQDPFVENTKLLRFDFLDPFFLSITVFPF
LIPIEVLNICVFPREVTNFLRKSVKRMKESRLEDTQKH
RVDFLQLMDSQNSKETESHKALSDLELVAQSIIFIFAG
YETTSSVLSFIMYELATHPDVQQKLQEEIDAVLPNKAP
PTYDVTVLQMEYLDMMVNETLRLFPFIAMRLERVCKKDV
EINGMFIPKGVVVMIPSYALHRDPKYWTEPEKFLPERF
SKKNKDNIDPYIYTPFGSGPRNCIGMRFALMNMKLALI
RVLQNFSEFKPKETQIPLKLSLGGLLQPEKPVVLKVES
RDGTVSGA

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 83.7

Interspecies Antigen Sequence: Rat (72)

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: 1576

Gene Symbol: CYP3A4

Gene Alias: CP33, CP34, CYP3A, CYP3A3, HLP, MGC126680, NF-25, P450C3, P450PCN1

Gene Summary: This gene, CYP3A4, 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 its expression is induced by glucocorticoids and some pharmacological agents. This enzyme is involved in the metabolism of approximately half the drugs which are used today, including acetaminophen, codeine, cyclosporin A, diazepam and erythromycin. The enzyme also metabolizes some steroids and carcinogens. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Previously another CYP3A gene, CYP3A3, was thought to exist; however, it is now thought that this sequence represents a transcript variant of CYP3A4. [provided by RefSeq]