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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

CYP3A5 (Human) Recombinant Protein (P01)

Catalog Number: H00001577-P01

Regulation Status: For research use only (RUO)

Product Description: Human CYP3A5 full-length ORF (AAH33862, 1 a.a. - 502 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MDLIPNLAVETWLLLAVSLVLLYLGTRTHGLFKRLGIP
GPTPLPLLGNVLSYRQGLWKFDTECYKKYGKMWGTY
EGQLPVLAITDPDVIRTVLVKECYSVFTNRRSLGPVGF
MKS AISLA EDEEWKRIRSLLSPTFTSGK LKEMFP IIAQY
GDVLRNLRREAEKGKPVTLKDIFGAYSMDVITGTSFG
VNIDSLNNPQDPFVESTKKFLKFGFLDPLFLSIILFPFLT
PVFEALNVSLFPKDTINFLSKSVNRMKKSRLNDKQKHR
LDFLQLMIDSQNSKETESHKALS DLELAAQSIIFIFAGYE
TTSSVLSFTLYELATHPDVQQKLQKEIDAVLPNKAPPT
YDAVVQMEYLD MVVNETLRLFPVAIRLERTCKKDVEIN
GVFIPKGS MVVIPTYALHHPKYWTEPEEFRPERFSK
KDSIDPYIYTPFGTGPRNCIGMR FALMNMKLALIRVLQ
NFSFKPKETQIPLKLD TQGLLQPEKPIVLKVDSRDGTL
SGE

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 80.96

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: 1577

Gene Symbol: CYP3A5

Gene Alias: CP35, P450PCN3, PCN3

Gene Summary: This gene, CYP3A5, 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. The enzyme metabolizes drugs such as nifedipine and cyclosporine as well as the steroid hormones testosterone, progesterone and androstenedione. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. This cluster includes a pseudogene, CYP3A5P1, which is very similar to CYP3A5. This similarity has caused some difficulty in determining whether cloned sequences represent the gene or the pseudogene. [provided by RefSeq]