

Recombinant Human CYP3A5 protein, GST-tagged

Cat. No. CYP3A5-11785H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP3A5 protein(152-502 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	152-502 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	YGDVLVRNLRREAEGKGPVTLKDIFGAYSMDVITGTSFGVNIDSLNNPQDPFVESTK KFLKFGFLDPLFLSIILFPFLTPVFEALNVSLFPKDTINFLSKSVNRMKKSRLNDKQKH RLDFLQLMIDSQNSKETESHKALSDLELAAQSIIFIFAGYETTSSVLSFTLYELATHPDV QQKLQKEIDAVLPNKAPPTYDAVVQMEYLDMMVNETLRLFPVAIRLERTCKKDVEIN GVFIPKGSMMVVIPTYALHHPKYWTEPEEFRPERFSKKKDSIDPYIYTPFGTGPRNCI GMRFALMNMKLALIRVLQNFSEFKPKKETQIPLKLDLTQGLLQPEKPIVLKVDSRDGTLG GE
Purity	90%, by SDS-PAGE.

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Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name CYP3A5 cytochrome P450, family 3, subfamily A, polypeptide 5 [Homo sapiens]

Official Symbol CYP3A5

Synonyms CYP3A5; cytochrome P450, family 3, subfamily A, polypeptide 5; cytochrome P450, subfamily IIIA (naphedipine oxidase), polypeptide 5; cytochrome P450 3A5; CP35; P450PCN3; PCN3; cytochrome P-450; naphedipine oxidase; cytochrome P450 HLp2; cytochrome P450-PCN3; microsomal monooxygenase; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; flavoprotein-linked monooxygenase; CYP3A5; FLJ31317; DKFZp686L16231;

mRNA Refseq NM_000777

Protein Refseq NP_000768

MIM 605325

UniProt ID P20815

Gene ID 1577

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