

## Recombinant Human CYP3A5 protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CYP3A5 protein(152-502 aa), fused with N-terminal GST tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E. coli
<b>ProteinLength</b>	152-502 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 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).
<b>AASequence</b>	YGDVLRNLRREAEGKGPVTLKDIFGAYSMDVITGTSFGVNIDSLNNPQDPFVESTK KFLKFGFLDPLFLSIILFPFLTPVFEALNVSLFPKDTINFLSKSVNRMKKSRLNDKQKH RLDFLQLMIDSQNSKETESHKALSDLELAAQSIIFIFAGYETTSSVLSFTLYELATHPDV QQKLQKEIDAVLPNKAPPTYDAVVQMEYLDMMVNETLRLFPVAIRLERTCKKDVEIN GVFIPKGSMMVVIPTYALHHDPKYWTEPEEFRPERFSKKKDSIDPIYTPFGTGPRNCI GMRFALMNMKLALIRVLQNFSEKPKETQIPLKLDTQGLLQPEKPIVLKVDSRDGTLG GE
<b>Purity</b>	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 (niphedipine oxidase), polypeptide 5; cytochrome P450 3A5; CP35; P450PCN3; PCN3; cytochrome P-450; niphedipine 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

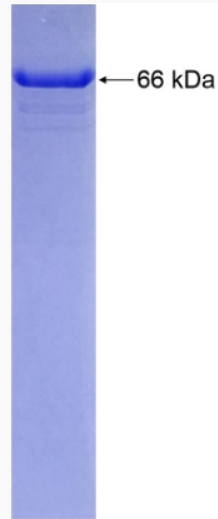
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SDS-PAGE



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