

## Recombinant Human CYP3A4 protein, MYC/DDK-tagged

Cat. No. CYP3A4-18H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CYP3A4 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

<b>Gene Name</b>	CYP3A4 cytochrome P450, family 3, subfamily A, polypeptide 4 [ Homo sapiens ]
<b>Official Symbol</b>	CYP3A4
<b>Synonyms</b>	CYP3A4; cytochrome P450, family 3, subfamily A, polypeptide 4; CYP3A3, cytochrome P450, subfamily IIIA (nifedipine oxidase), polypeptide 4; cytochrome P450 3A4; nifedipine oxidase; cytochrome P450 3A3; cytochrome P450 HLp; cytochrome P450-PCN1; cytochrome P450 NF-25; albendazole sulfoxidase; quinine 3-monooxygenase; albendazole monooxygenase; P450-III, steroid inducible; glucocorticoid-inducible P450; taurochenodeoxycholate 6-alpha-hydroxylase;

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	cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3; cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 4; HLP; CP33; CP34; CYP3A; NF-25; CYP3A3; P450C3; CYP3A4; CYP3A5; P450PCN1; MGC126680;
<b>Gene ID</b>	1576
<b>mRNA Refseq</b>	NM_017460
<b>Protein Refseq</b>	NP_059488
<b>MIM</b>	124010
<b>UniProt ID</b>	P08684
<b>Chromosome Location</b>	7q21.1
<b>Pathway</b>	Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Biological oxidations, organism-specific biosystem; Codeine and morphine metabolism, organism-specific biosystem; Cytochrome P450 - arranged by substrate type, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem;
<b>Function</b>	albandazole monooxygenase activity; caffeine oxidase activity; electron carrier activity; enzyme binding; heme binding; iron ion binding; metal ion binding; monooxygenase activity; monooxygenase activity; oxidoreductase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, reduced flavin or flavoprotein as one donor, and incorporation of one atom of oxygen; oxygen binding; quinine 3-monooxygenase activity; steroid binding; steroid hydroxylase activity; taurochenodeoxycholate 6alpha-hydroxylase activity; testosterone 6-beta-hydroxylase activity; vitamin D 24-hydroxylase activity;

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vitamin D3 25-hydroxylase activity;

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