

CYP3A4 抗原（重组蛋白）

中文名称：CYP3A4 抗原（重组蛋白）

英文名称：CYP3A4 Antigen (Recombinant Protein)

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to a region derived from 218-503 amino acids of human CYP3A4

技术规格

Full name:	cytochrome P450, family 3, subfamily A, polypeptide 4
Synonyms:	HLP; CP33; CP34; CYP3A; NF-25; CYP3A3; P450C3; CYP3A3; P450PCN1
Swissprot:	P08684
Gene Accession:	NP_059488(BC069418)
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases that 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 in use 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 7

q21.1. Previously another CYP3A gene, CYP3A3, was thought to exist; however, it is now thought that this sequence represents a transcript variant of CYP3A4. Alternatively spliced transcript variants encoding different isoforms have been identified.