

Recombinant Human CYP3A4

Catalog No: #GP10346



Package Size: #GP10346-1 100ug

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Description

Product Name	Recombinant Human CYP3A4
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 218-503 amino acids of human CYP3A4
Target Name	cytochrome P450, family 3, subfamily A, polypeptide 4
Other Names	HLP; CP33; CP34; CYP3A; NF-25; CYP3A3; P450C3; CYP3A3; CYP3A4; P450PCN1
Accession No.	Swissprot:P08684Gene Accession:NP_059488(BC069418)
Uniprot	P08684
GeneID	1576;
Storage	-20~-80°C, pH 7.6 PBS

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 7q21.1. 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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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