

Recombinant Human CYP2A6 Protein

Cat. No. CYP2A6-71H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human CYP2A6 protein without tag was expressed in E. coli.

Species Human

Source E.coli

Description

This gene, CYP2A6, encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which 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 phenobarbital. The enzyme is known to hydroxylate coumarin, and also metabolizes nicotine, aflatoxin B1, nitrosamines, and some pharmaceuticals. Individuals with certain allelic variants are said to have a poor metabolizer phenotype, meaning they do not efficiently metabolize coumarin or nicotine. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. The gene was formerly referred to as CYP2A3; however, it has been renamed CYP2A6.

GENE INFORMATION

Gene Name CYP2A6 cytochrome P450 family 2 subfamily A member 6 [Homo sapiens (human)]

Official Symbol CYP2A6

Synonyms CYP2A6; cytochrome P450 family 2 subfamily A member 6; CPA6; CYP2A; CYP2A3;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



P450PB; CYP1IA6; P450C2A; cytochrome P450 2A6; 1,4-cineole 2-exo-monooxygenase; coumarin 7-hydroxylase; cytochrome P450 IIA3; cytochrome P450(I); cytochrome P450, family 2, subfamily A, polypeptide 6; cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 6; flavoprotein-linked monooxygenase; xenobiotic monooxygenase

Gene ID [1548](#)

mRNA Refseq [NM_000762](#)

Protein Refseq [NP_000753](#)

MIM [122720](#)

UniProt ID [P11509](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA