

Recombinant Human CYP2A13 cell lysate

Cat. No. CYP2A13-433HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene 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. Although its endogenous substrate has not been determined, it is known to metabolize 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol, a major nitrosamine specific to tobacco. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	CYP2A13 cytochrome P450, family 2, subfamily A, polypeptide 13 [Homo sapiens]
Official Symbol	CYP2A13

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Synonyms	CYP2A13; cytochrome P450, family 2, subfamily A, polypeptide 13; cytochrome P450, subfamily IIA (phenobarbital inducible), polypeptide 13; cytochrome P450 2A13; CPAD; CYP2A; cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 13; CYP1IA13;
Gene ID	1553
mRNA Refseq	NM_000766
Protein Refseq	NP_000757
MIM	608055
UniProt ID	Q16696
Chromosome Location	19q13.2
Pathway	Biological oxidations, organism-specific biosystem; Caffeine metabolism, organism-specific biosystem; Caffeine metabolism, conserved biosystem; Cytochrome P450 - arranged by substrate type, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Drug metabolism - other enzymes, organism-specific biosystem;
Function	aromatase activity; electron carrier activity; heme binding; metal ion binding;