

Recombinant Human CYP4A11 cell lysate

Cat. No. CYP4A11-439HCL **Lot. No.** (See product label)

SPECIFICATION

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 and hydroxylates medium-chain fatty acids such as laurate and myristate.
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	CYP4A11 cytochrome P450, family 4, subfamily A, polypeptide 11 [Homo sapiens]
Official Symbol	CYP4A11
Synonyms	CYP4A11; cytochrome P450, family 4, subfamily A, polypeptide 11; CYP4A2, cytochrome P450, subfamily IVA, polypeptide 11; cytochrome P450 4A11; CYP4A11; CYP4A11; P450HL-omega; 20-HETE synthase; alkane-1 monooxygenase; cytochrome P450HL-omega; cytochrome P-450HK-omega; fatty acid omega-

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	hydroxylase; lauric acid omega-hydroxylase; 20-hydroxyeicosatetraenoic acid synthase; cytochrome P450, subfamily IVA, polypeptide 11; CP4Y; CYP4A2;
Gene ID	1579
mRNA Refseq	NM_000778
Protein Refseq	NP_000769
MIM	601310
UniProt ID	Q02928
Chromosome Location	1p33
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Biological oxidations, organism-specific biosystem; Cytochrome P450 - arranged by substrate type, organism-specific biosystem; Fatty Acid Omega Oxidation, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem;
Function	alkane 1-monooxygenase activity; arachidonic acid epoxygenase activity; arachidonic acid omega-hydroxylase activity; electron carrier activity; heme binding; leukotriene-B4 20-monooxygenase activity; metal ion binding; monooxygenase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen;

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