



Human Cytochrome P450 2D6 (LKM 1 hp) (DAG634)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	Human
Purity	>80% as determined by SDS-PAGE
Conjugate	Unconjugated
Applications	WB, ELISA
Molecular Weight	56 kDa
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	50 µg, 0.5 mg
Buffer	Neutral to slightly alkaline pH and 15 % glycerol as cryoprotective agent
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Cytochrome P450 2D6 is 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 is known to metabolize as many as 20% of commonly prescribed drugs. Its substrates include debrisoquine, an adrenergic-blocking drug; sparteine and
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propafenone, both anti-arrhythmic drugs; and amitriptyline, an anti-depressant. The gene is highly polymorphic in the population; certain alleles result in the poor metabolizer phenotype, characterized by a decreased ability to metabolize the enzyme's substrates.

Keywords

CYP2D6; CYP2D; CYP2DL1
