9051 Mira Mesa Blvd, #910094
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CYP2E1 Human

Cytochrome P450 2E1 Human Recombinant
RCP0601

Product Overview

Name	CYP2E1 Human
Description	
Cytochrome P450 2E1 Human Recombinant	
Accession (Primary)	P05181
Synonyms	
Cytochrome P450, Family 2, Subfamily E, Polypeptide 1, CYP2E, Cytochrome P450, Subfamily IIE (Ethanol-Inducible), Polypeptide 1, 4-Nitrophenol 2-Hydroxylase, Cytochrome P450-J, P450C2E, CYPIIE1, Flavoprotein-Linked Monooxygenase, Microsomal Monooxygenase, Xenobiotic Monooxygenase, Cytochrome P450 2E1, EC 1.14.13.n7, EC 1.14.14.1, EC 1.14.13.-, P450-J, CPE1, Cytochrome P450 2E1.	
Introduction	
CYP2E1, also known as Cytochrome P450 2E1 belongs to the cytochrome P450 mixed-function oxidase system which is involved in the metabolism of xenobiotics in the body. While CYP2E1 is implicated in the oxidative metabolism of small range substrates, commonly small polar molecules, there are many significant drug interactions which are mediated by CYP2E1.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
CYP2E1 protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS SWNLPPG PFPLPIIGNL FQLELKNIPK SFTRLAQRFG PVFTLYVGSQ RMVVMHGYKA VKEALLDYKD EFSGRGDLPA FHAHRDRGII FNNGPTWKDI RRFSLTTLRN YGMGKQGNES	

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RIQREAHFLL EALRKTQGQP FDPTFLIGCA PCNVIADILF RKHFDYNDEK FLRLMYLFNE NFHLLSTPWL QLYNNFPSFL HYLPGSHRKV IKNVAEVKEY VSERVKEHHQ SLDPNCPRDL TDCLLVEMEK EKHSAERLYT MDGITVTVAD LFFAGTETTS TTLRYGLLIL MKYPEIEEKL HEEIDRVIGP SRIPAIKDRQ EMPYMDAVVH EIQRFITLVP SNLPHEATRD TIFRGYLIPK GTVVVPTLDS VLYDNQEFPD PEKFKPEHFL NENGKFKYSD YFKPFSTGKR VCAGEGLARM ELFLLLCAIL QHFNLKPLVD PKDIDLSPIH IGFGCIPPRY KLCVIPRS.

Precautions

CYP2E1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P05181)