

32-6724: CYP2E1 Human

Alternative Name :

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, CYP1IE1, 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.

Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

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.

CYP2E1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 488 amino acids (29-493 a.a) and having a molecular mass of 56.2kDa. CYP2E1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

Content : CYP2E1 protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.

Storage condition : 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.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSSWNLPPG PFPLPIIGNL FQLELKNIPK SFTRLAQRFG PVFTLYVGSQ RMVVMHGYKA VKEALLDYKD EFSGRGDLPA FHAHRDRGII FNNGPTWKDI RRFSLTTLRN YGMGKQGNES RIQREAHFLL EALRKTQGQP FDPTFLIGCA PCNVIADILF RKHFVDYNDK FLRLMYLFNE NFHLLSTPWL QLYNNFSPFL HYLPGSHRKV IKNVAEVKEY VSERVKEHHQ SLDPNCPRDL TDCLLVEMEK EKHSERLYT MDGITVTVAD LFFAGTETTS TTLRYGLLIL MKYPEIEEKL HEEIDRVIGP SRIPAIDKDRQ EMPYMDAVVH EIQRFITLVP SNLPHEATRD TIFRGYLIPK GTVVVPTLDS VLYDNQEFDP PEKFKPEHFL NENKFKYSD YFKPFSTGKR VCAGEGLARM ELFLLLCAIL QHFNLKPLVD PKDIDLSPH IGFGCIPPRY KLCVIPRS.