

## 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 MGSSWNLP PG PFPLPIIGNL FQLELKNIPK SFTRLAQRFG  
PVFTLYVGSQ RMVVMHGYKA VKEALLDYKD EFSGRGDLPA FFAHRDRGII FNNGPTWKDI  
RRFSLTTLRN YGMGKQGNE RIQREAHFLL EALRKTQGQP FDPTFLIGCA PCNVIADILF  
RKHFIDYNDK FLRLMYLFNE NFHLLSTPWL QLYNNFPSFL HYLPGSHRKV IKNVAEVKEY  
VSERVKEHHQ SLDPNCPDL TDCLLVEMEK EKHSARLYT MDGITVTVAD LFFAGTETTS  
TTLRYGLLIL MKYPEIEEKL HEEIDRVIGP SRIPAIDKRD EMPYMDAVVH EIQRFITLVP  
SNLPHEATRD TIFRGYLPK GTVVVPTLDS VLYDNQEFDP PEKFKPEHFL NENGKFKYSD  
YFKPFSTGKR VCAGEGLARM ELFLLLCAIL QHFNKPLVD PKDIDLSPH IGFGCIPRY  
KLCVIPRS.