

Recombinant Human CYP2E1 protein, His-tagged

Cat. No. CYP2E1-32H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP2E1 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	CYP2E1 also known as Cytochrome P450 2E1 (abbreviated CYP2E1, EC 1.14.13.n7), is member of the cytochrome P450 mixed-function oxidase system that involved in the metabolism of xenobiotics in the body. While it is involved in the oxidative metabolism of a small range of substrates (mostly small polar molecules), there are many important drug interactions mediated by CYP2E1.
Form	Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol
Molecular Mass	56.2kDa (488aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSWNLPPG PFPLPIIGNL FQLELKNIPK SFTRLAQRFG PVFTLYVGSQ RMVVMHGYKA VKEALLDYKDEFSGRGLDPA FHAHRDRGII FNGPTWKDI RRFSLTTLRN YGMGKQGNES RIQREAHFLL EALRKTQGQP FDPTFLIGCA PCNVIADILFRKHFDYNDEK FLRLMYLFNE NFHLLSTPWL QLYNNFPSFL HYLPGSHRKV IKNVAEVKEY VSERVKEHHQ SLDPNCPRLD TDCLLVEMEKEKHSERLYT MDGITVTVAD LFFAGTETTS TTLRYGLLIL MKYPEIEEKL HEEIDRVIGP SRIPAIDKDRQ EMPYMDAVVH EIQRFITLVPSNLPHEATRDTIFRGYLIPK GTVVVPTLDS VLYDNQEFDP

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PEKFKPEHFL NENGKFKYSD YFKPFSTGKR VCAGEGLARM
ELFLLLCAILQHFNLKPLVD PKDIDLSPH IGFGCIPPRY KLCVIPRS

Purity > 85% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name CYP2E1 cytochrome P450, family 2, subfamily E, polypeptide 1 [Homo sapiens]

Official Symbol CYP2E1

Synonyms CPE1; CYP2E; P450-J; P450C2E; 4-nitrophenol 2-hydroxylase; CYP1IE1; cytochrome P450, subfamily IIE (ethanol-inducible), polypeptide 1; cytochrome P450-J; flavoprotein-linked monooxygenase; microsomal monooxygenase; xenobiotic monooxygenase

Gene ID 1571

mRNA Refseq NM_000773

Protein Refseq NP_000764

MIM 124040

UniProt ID P05181

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Chromosome Location	10q26.3
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Chemical carcinogenesis, conserved biosystem
Function	arachidonic acid epoxygenase activity; enzyme binding; oxidoreductase activity

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