

# Recombinant human CYP2E1 protein

Catalog Number: ATGP2993

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

29-493aa

### UniProt No.

P05181

### NCBI Accession No.

NP\_000764.1

### Alternative Names

Cytochrome P450 2E1, CPE1, CYP2E, P450-J, P450C2E

## PRODUCT SPECIFICATION

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### Molecular Weight

56.2 kDa (488aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 80% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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. Recombinant human CYP2E1, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

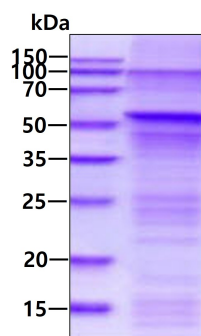
<MGSSHHHHHH SSGLVPRGSH MGS>SWNLPPG PFPLPIIGNL FQLELKNIPK SFTRLAQRFG PVFTLYVGSQ  
RMVVMHGYKA VKEALLDYKD EFSGRGDLPA FFAHRDRGII FNNGPTWKDI RRFSLTTLRN YGMGKQGNES RIQREAHFLL  
EALRKTQGQP FDPTFLIGCA PCNVIADILF RKHFDYNDEK FLRLMYLFNE NFHLLSTPWL QLYNNFPSFL HYLPGSHRKV  
IKNVAEVKEY VSERVKEHHQ SLDPNCPRDL TDCLLVEMEK EKHSAERLYT MDGITVTVD LFFAGTETTS TTLRYGLLIL  
MKYPEIEEKL HEEIDRVIGP SRIPAIDRQ EMPYMDAVVH EIQRFITLVP SNLPHEATRD TIFRGYLIPK GTVVVPTLDS  
VLYDNQEFPD PEKFKPEHFL NENKFKYSD YFKPFSTGKR VCAGEGLARM ELFLLLCAIL QHFNLKPLVD PKDIDLSPH  
IGFGCIPRY KLCVIPRS

## General References

Miller DN., et al. (1965) Ann NY Acad Sci, 119 (3): 957-973.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.