

CYP2E1, 29-493aa, Human, His tag, E.coli

Cat.NO.: TP01815

3th Edition

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

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.

Form:Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol

Molecular Weight:56.2kDa (488aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSSWNLPPGPFPLPIIGNLFQLELKNIPKSFTRLAQRFGPVFTLYVGSQRMVVM
HGYKAVKEALLDYKDEFSGRGLPAFHHRDRGIIFNNGPTWKDIRRFSLTTLRNYGMKGQGNESRIQREAHFLE
ALRKTQQQPFDPPTFLIGCAPCNVIADILFRKHFDYNDEKFLRLMYLFNENFHLLSTPWLQLYNNFPSFLHYLPGSHR
KVIKNVAEVKEYVSERVKEHHQSLDPNCPDLDCLLVEMEKEKHSERLYTMDGITVTVADLFFAGTETTSTTLRY
GLLILMKYPEIEEKLHEEIDRVIGPSRIPAIDRQEMPYMDAVVHEIQRFITLVPSNLPHEATRDTIFRGYLIPKGTVVVP
TLDSVLYDNQEFDPPEKFKPEHFLNENKFKYSDYFKPFSTGKRVCAGEGLARMELFLLLCAILQHFNKPLVDPKD
IDLSPHIGFGCIPPRYKLCVIPRS

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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