
Product Data Sheet

Product Name: CYP2E1 Human

Cat. No.: GP21537

Batch No.: 1

Product Data

Purity >98%

Source Escherichia Coli.

Physical
Appearance solidShipping
Condition Shipped with Ice Packs.

Synonyms

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.

Amino Acid
Sequence

MGSSHHHHH SSGLVPRGSH MGSSWNLPPG PFPLPIIGNL FQLELKNIPK
 SFTRLAQRFG PVFTLYVGSQRMVVMHGYKA VKEALLDYKD EFSGRGDLPA
 FHAHRDRGII FNNGPTWKDI RRFSLTTLRN YGMGKQGNESRIQREAHFLL
 EALRKTQGQP FDPTFLIGCA PCNVIADILF RKHFDYNDEK FLRLMYLFNE
 NFHLLSTPWLQLYNNFPSFL HYLPGSHRKV IKNVAEVKEY VSERVKEHHQ
 SLDPNCPRDL TDCLLVEMEK EKHSERLYTMDGITVTVAD LFFAGTETTS
 TTLRYGLLIL MKYPEIEEKL HEEIDRVIGP SRIPAICKDRQ
 EMPYMDAVVHEIQRFITLVP SNLPHEATRD TIFRGYLIPK GTVVVPTLDS
 VLYDNQEFPD PEKFKPEHFL NENGKFKYSDFKPFSTGKR VCAGEGLARM
 ELFLLLCAIL QHFNLKPLVD PKDIDLSPH IGFGCIPRY KLCVIPRS.

Formulation

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

Introduction

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Stability

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.

Background

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.

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