

## **Product datasheet for AR51813PU-S**

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## CYP2E1 (29-493, His-tag) Human Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** CYP2E1 (29-493, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSSWNLPPG PFPLPIIGNL FQLELKNIPK SFTRLAQRFG PVFTLYVGSQ RMVVMHGYKA VKEALLDYKD EFSGRGDLPA FHAHRDRGII FNNGPTWKDI RRESLTTI RN YGMGKOGNES RIOREAHELL FALRKTOGOP EDPTELIGCA PCNVIADILE

RRFSLTTLRN YGMGKQGNES RIQREAHFLL EALRKTQGQP FDPTFLIGCA PCNVIADILF RKHFDYNDEK FLRLMYLFNE NFHLLSTPWL QLYNNFPSFL HYLPGSHRKV IKNVAEVKEY

VSERVKEHHQ SLDPNCPRDL TDCLLVEMEK EKHSAERLYT MDGITVTVAD LFFAGTETTS TTLRYGLLIL MKYPEIEEKL HEEIDRVIGP SRIPAIKDRQ EMPYMDAVVH EIQRFITLVP SNLPHEATRD TIFRGYLIPK

GTVVVPTLDS VLYDNQEFPD PEKFKPEHFL NENGKFKYSD YFKPFSTGKR VCAGEGLARM

ELFLLLCAIL QHFNLKPLVD PKDIDLSPIH IGFGCIPPRY KLCVIPRS

Tag: His-tag

Predicted MW: 56.2 kDa

Concentration: lot specific

Purity: >80% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: Liquid, In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human CYP2E1, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

RefSeq: NP 000764

 Locus ID:
 1571

 UniProt ID:
 P05181

 Cytogenetics:
 10q26.3





**Synonyms:** CPE1; CYP2E; P450-J; P450C2E

Summary: This gene encodes a member of the cytochrome P450 superfamily of enzymes. The

cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and is induced by ethanol, the diabetic state, and starvation. The enzyme metabolizes both endogenous substrates, such as ethanol, acetone, and acetal, as well as exogenous substrates including benzene, carbon tetrachloride, ethylene glycol, and nitrosamines which are premutagens found in cigarette smoke. Due to its many substrates, this enzyme may be involved in such varied processes as gluconeogenesis, hepatic cirrhosis,

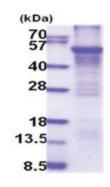
diabetes, and cancer. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, P450, Transmembrane

**Protein Pathways:** Arachidonic acid metabolism, Drug metabolism - cytochrome P450, Linoleic acid metabolism,

Metabolic pathways, Metabolism of xenobiotics by cytochrome P450

## **Product images:**



15% SDS-PAGE (3ug)