

Product datasheet for AR51813PU-N

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OriGene Technologies, Inc.

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

Product data:

Product Type: Recombinant Proteins

Description: CYP2E1 (29-493, His-tag) human recombinant protein, 0.5 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: This purified protein is available in a denatured form, making it less

suitable for functional studies. Denatured proteins are better suited for applications like

Western Blot (WB) or imaging assays.

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: Cytochrome P450 2E1, CYP2E, CYPIIE1, Cytochrome P450-J

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,

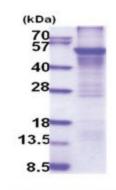
diabetes, and cancer. [provided by RefSeq, Jul 2008]

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)