

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

### 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:	<u>MGSSHHHHHH SSGLVPRGSH MGSSWNLPPG PFPLPIIGNL FQLELKNIPK SFTRLAQRFG PVFTLYVGSQ RMVVMHGYKA VKEALLDYKD EFSGRGDLPA FFAHRDRGII FNNGPTWKDI RRFSLTTLRN YGMGKQGNES RIQREAHFLL EALRKTQGQP FDPTFLIGCA PCNVIADILF RKHFVDYNDK FLRLMYLFNE NFHLLSTPWL QLYNNFPSFL HYPGSHRKV IKNVAEVKEY VSERVKEHHQ SLDPNCPDL TDCLLVEMEK EKHSAERLYT MDGITVTVD LFFAGTETTS TTLRYGLLIL MKYPEIEEKL HEEIDRVIGP SRIPAIDRQ EMPYMDAVVH EIQRFITLVP SNLPHEATRD TIFRGYLIPK GTVVVPTLDS VLYDNQEFDP PEKFKPEHFL NENGKFKYSD YFKPFSTGKR VCAGEGLARM ELFLLLCAIL QHFNLKPLVD PKDIDLSPH IGFGCIPPRY KLCVIPRS</u>
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:	<u>NP_000764</u>
Locus ID:	1571
UniProt ID:	<u>P05181</u>
Cytogenetics:	10q26.3



[View online »](#)

**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:

