

# Recombinant Human CYP2E1

Catalog No: #GP11417



Package Size: #GP11417-1 100ug

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## Description

Product Name	Recombinant Human CYP2E1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from C terminal 250 amino acids of human cytochrome P450, family 2, subfamily E, polypeptide 1
Target Name	cytochrome P450, family 2, subfamily E, polypeptide 1
Other Names	CPE1; CYP2E; P450-J; P450C2E
Accession No.	Swissprot:P05181Gene Accession:BC067435
Uniprot	P05181
GenelD	1571;
Storage	-20~-80°C, pH 7.6 PBS

## Background

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.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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