

Recombinant Mouse Cyp2e1 Protein, Myc/DDK-tagged

Cat. No. Cyp2e1-2417M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytochrome P450, family 2, subfamily e, polypeptide 1 (Cyp2e1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<p>A cytochrome P450 monooxygenase involved in the metabolism of fatty acids. Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (NADPH--hemoprotein reductase). Catalyzes the hydroxylation of carbon-hydrogen bonds. Hydroxylates fatty acids specifically at the omega-1 position displaying the highest catalytic activity for saturated fatty acids. May be involved in the oxidative metabolism of xenobiotics.</p>
Molecular Mass	57.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Cyp2e1 cytochrome P450, family 2, subfamily e, polypeptide 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Cyp2e1](#)

Synonyms CYP2E1; cytochrome P450, family 2, subfamily e, polypeptide 1; cytochrome P450 2E1; CYP1IE1; cytochrome P450-J; cytochrome P450-ALC; 4-nitrophenol 2-hydroxylase; cytochrome P450, 2e1, ethanol inducible; Cyp2e

Gene ID [13106](#)

mRNA Refseq [NM_021282](#)

Protein Refseq [NP_067257](#)

UniProt ID [Q05421](#)

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