

Recombinant Rat Cyp2e1 Protein, His-tagged

Cat. No. Cyp2e1-891R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cyp2e1 Protein (Ala2-Val125) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ala2-Val125
Description	Enables Hsp70 protein binding activity and Hsp90 protein binding activity. Involved in several processes, including response to ethanol; response to ozone; and triglyceride metabolic process. Located in Golgi membrane; endoplasmic reticulum membrane; and mitochondrial inner membrane. Is intrinsic component of endoplasmic reticulum membrane. Used to study drug-induced hepatitis. Biomarker of several diseases, including alcohol use disorder; fatty liver disease (multiple); liver disease (multiple); middle cerebral artery infarction; and type 2 diabetes mellitus. Human ortholog(s) of this gene implicated in several diseases, including acoustic neuroma; fatty liver disease; gastrointestinal system cancer (multiple); liver disease (multiple); and lung disease (multiple). Orthologous to human CYP2E1 (cytochrome P450 family 2 subfamily E member 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.71 kDa; Accurate Molecular Mass: 16 kDa
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Cyp2e1 cytochrome P450, family 2, subfamily e, polypeptide 1 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Cyp2e1
Synonyms	CYP2E1; cytochrome P450, family 2, subfamily e, polypeptide 1; cytochrome P450 2E1; P450-J; CYP1IE1; P450RLM6; cytochrome P450-J; cytochrome P450RLM6; 4-nitrophenol 2-hydroxylase; cytochrome P450, subfamily 2E, polypeptide 1; cytochrome P450 subfamily 2e1 (ethanol-inducible); Cyp2e;
Gene ID	25086
mRNA Refseq	NM_031543
Protein Refseq	NP_113731

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UniProt ID

P05182

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