

Recombinant Human CYP2C9 protein, MYC/DDK-tagged

Cat. No. CYP2C9-531H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Human CYP2C9 fused with MYC/DDK tag at C-terminal was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| Form | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| Molecular Mass | 55.4 kDa |
| Purity | >80% as determined by SDS-PAGE and Coomassie blue staining |
| Notes | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Concentration | >50 ug/mL as determined by microplate BCA method |

GENE INFORMATION

| | |
|------------------------|---|
| Gene Name | CYP2C9 cytochrome P450, family 2, subfamily C, polypeptide 9 [Homo sapiens] |
| Official Symbol | CYP2C9 |
| Synonyms | CYP2C9; cytochrome P450, family 2, subfamily C, polypeptide 9; CYP2C10, |

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cytochrome P450, subfamily IIC (mephenytoin 4 hydroxylase), polypeptide 9; cytochrome P450 2C9; P450IIC9; cytochrome P-450MP; cytochrome P450 PB-1; microsomal monooxygenase; xenobiotic monooxygenase; flavoprotein-linked monooxygenase; cytochrome P-450 S-mephenytoin 4-hydroxylase; CPC9; CYP2C; CYP2C10; CYPIIC9; MGC88320; MGC149605;

Gene ID [1559](#)

mRNA Refseq [NM_000771](#)

Protein Refseq [NP_000762](#)

MIM [601130](#)

UniProt ID [P11712](#)

Chromosome Location 10q24.1

Pathway

Arachidonate Epoxygenase / Epoxide Hydrolase, organism-specific biosystem; Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Biological oxidations, organism-specific biosystem; Cytochrome P450 - arranged by substrate type, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem;

Function

(R)-limonene 6-monooxygenase activity; (S)-limonene 6-monooxygenase activity; (S)-limonene 7-monooxygenase activity; caffeine oxidase activity; drug binding; electron carrier activity; heme binding; metal ion binding; monooxygenase activity; monooxygenase activity; oxidoreductase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen; steroid

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hydroxylase activity;

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