

Active Recombinant Human CYP2E1 Protein

Cat. No. CYP2E1-220H Lot. No. (See product label)

SPECIFICATION

| | |
|---|--|
| Product Overview | Human CYP2E1 and human CYP-reductase coexpressed in Escherichia coli. |
| Species | Human |
| Source | E.coli |
| Bio-activity | <p>Cytochrome c Reductase Activity: 274 nmol/min/mg protein</p> <p>#1 P450 Activity Data</p> <p>Activity: Chlorzoxazone 6-hydroxylase</p> <p>#2 Linear with time up to: 15 min</p> <p>#3 Linear with P450 up to: 100 pmol/ml</p> <p>Vmax: 17 pmol/min/pmol CYP</p> <p>Km: 385 μM</p> <p>Notes:</p> <p>#1: Unless otherwise stated, all assays are carried out at 37 centigrade in 100 mM potassium phosphate buffer (pH 7.4) containing 5 mM magnesium chloride and an NADPH generating system [5 mM glucose 6-phosphate, 1 mM NADP+, 1 U/ml glucose 6-phosphate dehydrogenase].</p> <p>#2: Determined at 120 μM substrate, using a P450 concentration of 50 pmol/ml.</p> <p>#3: Determined at 120 μM substrate, using an incubation time of 5 min.</p> |
| Residual Host Cell Protein Content | Specific P450 Content: 100 pmol/mg protein |
| Notes | For laboratory (research) purposes only. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|---|
| Storage | Store at -80 centigrade. Avoid frequent temperature changes. Thaw on ice. |
| Concentration | P450 Concentration: 1.0 nmol/ml Protein Concentration: 10.0 mg/ml |
| Storage Buffer | 50 mM Tris-acetate (pH 7.6), 250 mM sucrose, 0.25 mM EDTA |
| Warning | The toxicological properties of this reagent have not been investigated. Exercise due care when handling. |

GENE INFORMATION

| | |
|------------------------|---|
| Gene Name | CYP2E1 cytochrome P450 family 2 subfamily E member 1 [Homo sapiens (human)] |
| Official Symbol | CYP2E1 |
| Synonyms | CYP2E1; cytochrome P450 family 2 subfamily E member 1; CPE1; CYP2E; P450-J; P450C2E; cytochrome P450 2E1; 4-nitrophenol 2-hydroxylase; CYP1IE1; cytochrome P450, family 2, subfamily E, polypeptide 1; cytochrome P450, subfamily IIE (ethanol-inducible), polypeptide 1; cytochrome P450-J; flavoprotein-linked monooxygenase; microsomal monooxygenase; xenobiotic monooxygenase; EC 1.14.13.n7; EC 1.14.14.1 |
| Gene ID | 1571 |
| mRNA Refseq | NM_000773 |
| Protein Refseq | NP_000764 |
| MIM | 124040 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



UniProt ID

P05181

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA