

## Recombinant Mouse Cyp1a1 Protein, Myc/DDK-tagged

**Cat. No.** Cyp1a1-2412M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length cytochrome P450, family 1, subfamily a, polypeptide 1 (Cyp1a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.
<b>Molecular Mass</b>	59.2 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

## GENE INFORMATION

<b>Gene Name</b>	Cyp1a1 cytochrome P450, family 1, subfamily a, polypeptide 1 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Cyp1a1
<b>Synonyms</b>	CYP1A1; cytochrome P450, family 1, subfamily a, polypeptide 1; cytochrome P450 1A1; CYPIA1; cytochrome P450-P1; aromatic compound inducible; cytochrome P450 subfamily I, polypeptide 1; cytochrome P450, 1a1, aromatic compound inducible; cytochrome P450 family 1 subfamily a polypeptide 2; AHH; AHRR; CP11; Cyp1a2; P450-1
<b>Gene ID</b>	13076
<b>mRNA Refseq</b>	NM_001136059
<b>Protein Refseq</b>	NP_001129531
<b>UniProt ID</b>	P00184

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