Recombinant Mouse Cyp1a1 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	59.2 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.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Cyp1a1 cytochrome P450, family 1, subfamily a, polypeptide 1 [Mus musculus (house mouse)]
Official Symbol	Cyp1a1
Synonyms	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
Gene ID	13076
mRNA Refseq	NM_001136059
Protein Refseq	NP_001129531
UniProt ID	P00184

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