Recombinant Human EPHX1

Cat. No. EPHX1-28685TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Epoxide hydrolase with N terminal proprietary tag, predicted mwt: 76.12 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	455 amino acids
Description	Epoxide hydrolase is a critical biotransformation enzyme that converts epoxides from the degradation of aromatic compounds to trans-dihydrodiols which can be conjugated and excreted from the body. Epoxide hydrolase functions in both the activation and detoxification of epoxides. Mutations in this gene cause preeclampsia, epoxide hydrolase deficiency or increased epoxide hydrolase activity. Alternatively spliced transcript variants encoding the same protein have been found for this gene.
Molecular Weight	76.120kDa inclusive of tags
Tissue specificity	Found in liver.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MWLEILLTSVLGFAIYWFISRDKEETLPLEDGWWGPGTRS AAREDDSIRPFKVETSD EEIHDLHQRIDKFRFTPPLEDSC FHYGFNSNYLKKVISYWRNEFDWKKQVEILNRYP HFKTKI EGLDIHFIHVKPPQLPAGHTPKPLLMVHGWPGSFYEFYKI IPLLTDPKNHGL SDEHVFEVICPSIPGYGFSEASSKKGFN SVATARIFYKLMLRLGFQEFYIQGGDWGS LICTNMAQLVP SHVKGLHLNMALVLSNFSTLTLLLGQRFGRFLGLTERDVE LLYPVK EKVFYSLMRESGYMHIQCTKPDTVGSALNDSPVG LAAYILEKFSTWTNTEFRYLED GGLERKFSLDDLLTNVML YWTTGTIISSQRFYKENLGQGWMTQKHERMKVYVPTG FSA FPFELLHTPEKWVRFKYPKLISYSYMVRGGHFAAFEEPEL LAQDIRKFLSVLER Q
Sequence Similarities	Belongs to the peptidase S33 family.

GENE INFORMATION

Gene Name	EPHX1 epoxide hydrolase 1, microsomal (xenobiotic) [Homo sapiens]
Official Symbol	EPHX1
Synonyms	EPHX1; epoxide hydrolase 1, microsomal (xenobiotic); EPHX; epoxide hydrolase 1;
Gene ID	2052
mRNA Refseq	NM_000120
Protein Refseq	NP_000111
Uniprot ID	P07099

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Chromosome Location	1q42.1
Pathway	Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Metabolism of xenobiotics by cytochrome P450, organism-specific biosystem; Metabolism of xenobiotics by cytochrome P450, conserved biosystem;
Function	cis-stilbene-oxide hydrolase activity; epoxide hydrolase activity; hydrolase activity;

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