Recombinant Human EPHX1 Protein, His-tagged

Cat. No. EPHX1-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EPHX1 protein with His tag, was expressed in insect cell.
Species	Human
Source	Insect Cells
Description	EPHX1, also known as epoxide hydrolase 1, is an important bioconversion enzyme that converts epoxides from degradation of aromatics into trans-dihydrodiols that can be conjugated and excreted in the body. The epoxide hydrolase acts both in the activation and decryption of the epoxide. This enzyme plays a role in regulating the extensive oxidation state of heterologous and lipid-derived substrates. Mutations in this gene cause preeclampsia, lack of epoxidase, or increased epoxide hydrolase activity. Recombinant human EPHX1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Form	Liquid
Molecular Mass	51.5kDa (442aa) 50-70kDa (SDS-PAGE under reducing conditions)
AA Sequence	MRDKEETLPLEDGWWGPGTRSAAREDDSIRPFKVETSDEEIHDLHQRIDKFRFTPPL EDSCFHYGFNSNYLKKVISYWRNEFDWKKQVEILNRYPHFKTKIEGLDIHFIHVKPPQ LPAGHTPKPLLMVHGWPGSFYEFYKIIPLLTDPKNHGLSDEHVFEVICPSIPGYGFSE ASSKKGFNSVATARIFYKLMLRLGFQEFYIQGGDWGSLICTNMAQLVPSHVKGLHLN MALVLSNFSTLTLLLGQRFGRFLGLTERDVELLYPVKEKVFYSLMRESGYMHIQCTK PDTVGSALNDSPVGLAAYILEKFSTWTNTEFRYLEDGGLERKFSLDDLLTNVMLYWT

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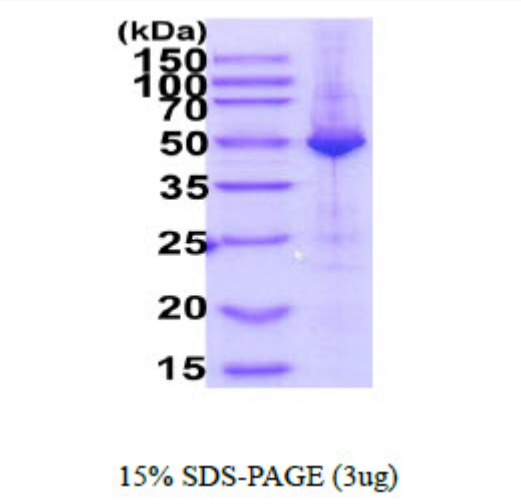
	TGTIISSQRFYKENLGQGWMTQKHERMKVYVPTGFSAFPFELLHTPEKWVRFKYPK LISYSYMVRGGHFAAFEEPELLAQDIRKFLSVLERQHHHHHH
N-terminal Sequence Analysis	Met
Endotoxin	< 1.0 EU per 1ug of protein (determined by LAL method)
Purity	> 85% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/mL (determined by Absorbance at 280nm)
Storage Buffer	20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 1mM DTT, 0.1M NaCl
Warning	For research use only. This product is not intended or approved for human, diagnostics or veterinary use

GENE INFORMATION

Gene Name	EPHX1 epoxide hydrolase 1 [Homo sapiens (human)]
Official Symbol	EPHX1
Synonyms	EPHX1; EPHX; EPOX; HYL1; MEH; epoxide hydrolase 1; epoxide hydrolase 1; epoxide hydratase; epoxide hydrolase 1 microsomal; epoxide hydrolase 1, microsomal (xenobiotic); EC 3.3.2.9
Gene ID	2052

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mRNA Refseq	NM_000120
Protein Refseq	NP_000111
MIM	132810
UniProt ID	P07099



15% SDS-PAGE (3ug)

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