

#### OriGene Technologies, Inc.

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# Product datasheet for PH300621

## Epoxide hydrolase (EPHX1) (NM\_000120) Human Mass Spec Standard

#### **Product data:**

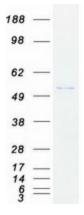
Product Type:	Mass Spec Standards
Description:	EPHX1 MS Standard C13 and N15-labeled recombinant protein (NP_000111)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200621
Predicted MW:	52.9 kDa
Protein Sequence:	>RC200621 protein sequence <mark>Red=</mark> Cloning site Green=Tags(s)
	MWLEILLTSVLGFAIYWFISRDKEETLPLEDGWWGPGTRSAAREDDSIRPFKVETSDEEIHDLHQRIDKF RFTPPLEDSCFHYGFNSNYLKKVISYWRNEFDWKKQVEILNRYPHFKTKIEGLDIHFIHVKPPQLPAGHT PKPLLMVHGWPGSFYEFYKIIPLLTDPKNHGLSDEHVFEVICPSIPGYGFSEASSKKGFNSVATARIFYK LMLRLGFQEFYIQGGDWGSLICTNMAQLVPSHVKGLHLNMALVLSNFSTLTLLLGQRFGRFLGLTERDVE LLYPVKEKVFYSLMRESGYMHIQCTKPDTVGSALNDSPVGLAAYILEKFSTWTNTEFRYLEDGGLERKFS LDDLLTNVMLYWTTGTIISSQRFYKENLGQGWMTQKHERMKVYVPTGFSAFPFELLHTPEKWVRFKYPKL ISYSYMVRGGHFAAFEEPELLAQDIRKFLSVLERQ
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 $\mu$ g/ $\mu$ L as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP 000111</u>
RefSeq Size:	1847
RefSeq ORF:	1365
Synonyms:	EPHX; EPOX; HYL1; MEH



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	Epoxide hydrolase (EPHX1) (NM_000120) Human Mass Spec Standard – PH300621
Locus ID:	2052
UniProt ID:	<u>P07099, R4SBI6</u>
Cytogenetics:	1q42.12
Summary:	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.[provided by RefSeq, Dec 2008]
Protein Families:	Druggable Genome, Protease
Protein Pathways	Metabolism of xenobiotics by cytochrome P450

## **Product images:**



Coomassie blue staining of purified EPHX1 protein (Cat# [TP300621]). The protein was produced from HEK293T cells transfected with EPHX1 cDNA clone (Cat# [RC200621]) using MegaTran 2.0 (Cat# [TT210002]).

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