

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 Red=Cloning site Green=Tags(s)

MWLEILLTSVLGFAIYWFISRDKETLPLEDGWWGPGTRSAAREDDSIKPFKVVETSDEEIHDLHQIDKF
RFTPPLEDSCFHYGFNSNYLKKVVISYWRNEFDWKKQVEILNRYPHFKTKIEGLDIHFIVKPPQLPAGHT
PKPLLMVHGWPGSFYEFYKIIPLLDPKNHGLSDEHVFEVICPSIPGYGFSEASSKKGFSVATARIFYK
LMLRLGFQEFYIQGGDWGSLICTNMAQLVPSHVKGLHLMALVLSNFSTLTLLLGQRFGFLGLTERDVE
LLYPVKEKVFYSLMRESGYMHIQCTKPDVTGSAALNDSPVGLAAYILEKFSTWTNTEFRYLEDGGLERKFS
LDDLLTNVMLYWTGTIISSQRFYKENLGQGWMTQKHERMKVYVPTGFSAPFFELLHTPEKWVRFKYPKL
ISYSYMRGGHFAAFEEPELLAQDIRKFLSVLERQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL 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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Locus ID: 2052

UniProt ID: [P07099](#), [R4SBI6](#)

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 EPXH1 protein (Cat# [TP300621]). The protein was produced from HEK293T cells transfected with EPXH1 cDNA clone (Cat# [RC200621]) using MegaTran 2.0 (Cat# [TT210002]).