

Recombinant Full Length Human EPHX1 Protein, GST-tagged

Cat. No. EPHX1-4384HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPHX1 full-length ORF (AAH03567.1, 1 a.a. - 455 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
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.[provided by RefSeq, Dec 2008]
Molecular Mass	79.3 kDa
AA Sequence	MWLEILLTSVLGFAIYWFISRDKEETLPLEDGWWGPGTRSAAREDDSI RPFKVETSD EEIHDHLHQRIDKFRFTPLEDSCFHYGFNSNYLKKVISYWRNEFDWKKQVEILNRY P HFKTKIEGLDIHFIHV KPPQLPAGHTPKPLLMVHGWP GSFYEFYKIIPLLTDPKNHGLS DEHVFEVICPSIPGYGFSEASSKKGFNSVATARIFYKLMLRLG FQEFYIQGGDWGSLI CTNMAQLVPSHV KGLHLNMA LVLSNFSTLTLLLGQRFG RFLGLTERDVELLYPVKEK VFYSLMRESGYMHIQCTKPDTVGSALNDSPVGLAAYILEKFSTWTNT EFRYLEDGGL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ERKFSLDDLLTNVMLYWTTGTIISSQRFYKENLGQGWMQTQKHERMKVYVPTGFSAF
PFELLHTPEKWVRFKYPKLISYSYMVRGGHFAAFEPELLAQDIRKFLSVLERQ

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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;
epoxide hydratase; MEH; EPOX; HYL1;

Gene ID

2052

mRNA Refseq

NM_000120

Protein Refseq

NP_000111

MIM

132810

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UniProt ID

P07099

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