

Product datasheet for **TP327627M**

Epoxide hydrolase (EPHX1) (NM_001136018) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human epoxide hydrolase 1, microsomal (xenobiotic) (EPHX1), transcript variant 2, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC227627 protein sequence
Red=Cloning site **Green**=Tags(s)

MWLEILLTSVLGFAIYWFIIRDKEETLPLEDGWWGPGTRSAAREDDSIKPFKVVETSDEEIHDLHQRIDKF
RFTPPLEDSCFHYGFNSNYLKKVISYWRNEFDWKKQVEILNRYPHFKTKIEGLDIHFIHVKPPQLPAGHT
PKLLMVGWPGSFYEFYKIPLLTDPKNHGLSDEHVFEVICPSIPGYGFSEASSKKGFSVATARIFYK
LMLRLGFQEFYIQGGDWGSLICTNMAQLVPSHVKGLHLNMAVLSNFSTLTLLLGQRFRFLGLTERDVE
LLYPVKEKVFYSLMRESGYMHIQCTKPDTVGSALNDSPVGLAAYILEKFSTWTNTEFRYLEDGGLERKFS
LDDLLTNVMLYWTTGTIISQRFYKENLGQGWMTQKHERMKVYVPTGFSAFPPELLHTPEKWVRFKYPKL
ISYSYMVRGGHFAAFEPELLAQDIRKFLSVLERQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 52.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_001129490](#)

Locus ID: 2052

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

RefSeq Size: 1699

Cytogenetics: 1q42.12

RefSeq ORF: 1365

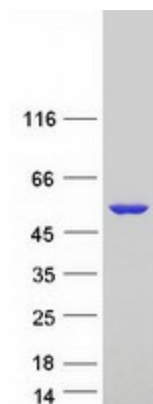
Synonyms: EPHX; EPOX; HYL1; MEH

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# [TP327627]). The protein was produced from HEK293T cells transfected with EPHX1 cDNA clone (Cat# [RC227627]) using MegaTran 2.0 (Cat# [TT210002]).