

## Product datasheet for TP300621M

### Epoxide hydrolase (EPHX1) (NM\_000120) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

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

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC200621 protein sequence  
Red=Cloning site Green=Tags(s)

MWLEILLTSVLGFAIYWFI SRDKEETLPLEDGWWGPGTRSAAREDDSI RPFKVETSDEEIHDLHQRIDKF  
RFTPPLEDSCFHYGFNSNYLKKVISYWRNEFDWKKQVEILNRYPHFKTKIEGLDIHFIHVKPPQLPAGHT  
PKPLL MVHGWPGSFYEFYKIIPLLTDPKNHGLSDEHVFEVICPSIPGYGFSEASSKKGFSVATARIFYK  
LMLRLGFQEFYIQGGDWGSLICTNMAQLVPSHVKGLHLNMAVLVSNFSTLTLLLQGRFGRFLGLTERDVE  
LLYPVKEKVFYSLMRESGYMHIQCTKPDTVGSALNDSPVGLAAYILEKFSTWTNTEFRYLEDGGLERKFS  
LDDLLTNVMLYWTTGTIISSQRFYKENLGQGWMTQKHERMKVYVPTGFSAFPPELLHTPEKWVRFKYPKL  
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\\_000111](#)

Locus ID: 2052

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

RefSeq Size: 1847

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