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# Product datasheet for RC227627L1V

## Epoxide hydrolase (EPHX1) (NM_001136018) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Epoxide hydrolase (EPHX1) (NM_001136018) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Epoxide hydrolase |
| **Synonyms:** | EPHX; EPOX; HYL1; MEH |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-Myc-DDK (PS100064) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_001136018 |
| **ORF Size:** | 1365 bp |
| **ORF Nucleotide Sequence:** | `The ORF insert of this clone is exactly the same as(RC227627).` |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **RefSeq:** | NM_001136018.2 |
| **RefSeq Size:** | 1699 bp |
| **RefSeq ORF:** | 1368 bp |
| **Locus ID:** | 2052 |
| **UniProt ID:** | P07099 |
| **Cytogenetics:** | 1q42.12 |
| **Protein Families:** | Druggable Genome, Protease |
| **Protein Pathways:** | Metabolism of xenobiotics by cytochrome P450 |

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**MW:** 52.9 kDa

**Gene 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]