

## Product datasheet for **RC227627L2V**

### 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-mGFP (PS100071)
Tag:	mGFP
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. <a href="#">More info</a>
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:	<a href="#">NM_001136018.2</a>
RefSeq Size:	1699 bp
RefSeq ORF:	1368 bp
Locus ID:	2052
UniProt ID:	<a href="#">P07099</a>
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]