

Specifications:

Gene:	<i>hEPHX1</i>
Accession:	NP_000111
Insert size:	1381bp
Concentration:	10µg at 0.2µg/µL

**hEPHX1 cDNA
Plasmid**

EPHX1 epoxide hydrolase 1
[*Homo sapiens* (human)]

Also known as: MEH; EPHX; EPOX;
HYL1

Summary:

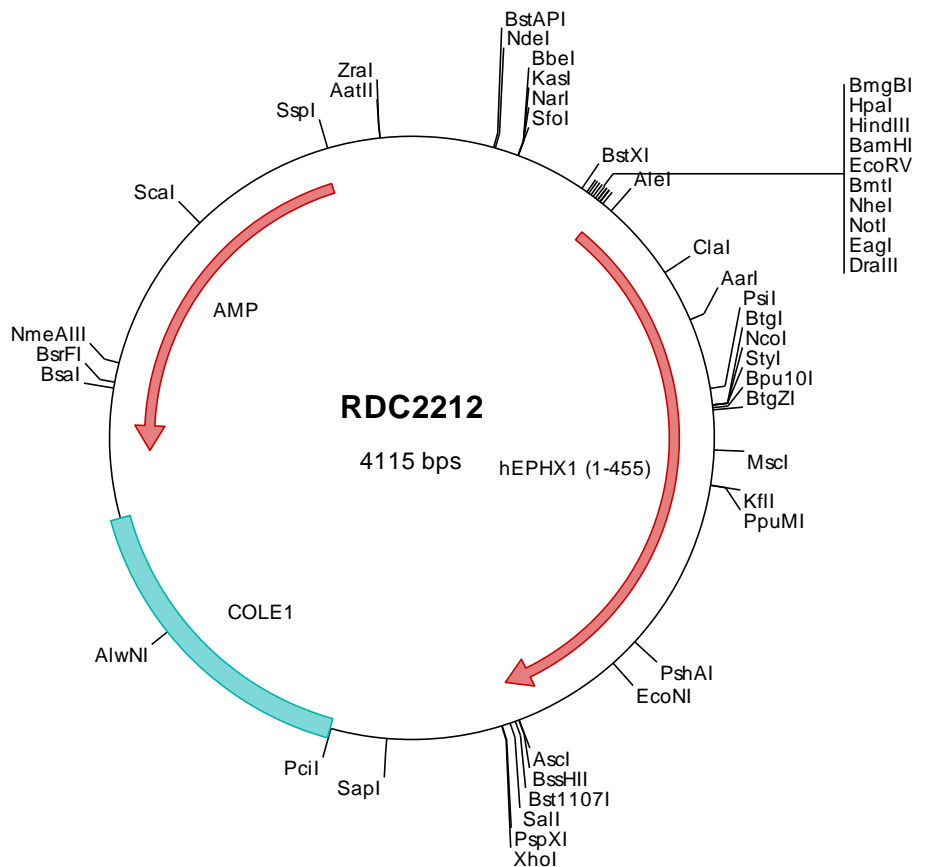
EPHX1 is a critical biotransformation enzyme that converts epoxides from the degradation of aromatic compounds to trans-dihydrodiols which can be conjugated and excreted from the body. It functions in both the activation and detoxification of epoxides. Mutations in EPHX1 cause preeclampsia, epoxide hydrolase deficiency or increased epoxide hydrolase activity.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC2212 Plasmid DNA Sequence

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> RDC2212 Translated Insert Sequence

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