

## Product datasheet for **RC218959L4V**

### EPX (NM\_000502) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	EPX (NM_000502) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EPX
Synonyms:	EPO; EPP; EPX-PEN; EPXD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000502
ORF Size:	2145 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218959).
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_000502.4</a>
RefSeq Size:	2731 bp
RefSeq ORF:	2148 bp
Locus ID:	8288
UniProt ID:	<a href="#">P11678</a>
Cytogenetics:	17q22
Domains:	An_peroxidase
Protein Families:	Druggable Genome



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**Protein Pathways:** Asthma

**MW:** 81.5 kDa

**Gene Summary:** This gene is a member of the peroxidase gene family and is expressed in eosinophils. The encoded preproprotein is proteolytically processed into covalently attached heavy and light chains to form the mature enzyme, which functions as an oxidant. The enzyme is released at sites of parasitic infection or allergen stimulation to mediate lysis of protozoa or parasitic worms. The gene is found in a gene cluster with other peroxidase genes on chromosome 17. Mutations in this gene result in eosinophil peroxidase deficiency. [provided by RefSeq, Feb 2016]