

Product datasheet for **RC220321L4V**

GPX5 (NM_001509) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Lentiviral Particles |
| Product Name: | GPX5 (NM_001509) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | GPX5 |
| Synonyms: | EGLP; GPx-5; GSHPx-5; HEL-S-75p |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001509 |
| ORF Size: | 663 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC220321). |
| 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_001509.1 |
| RefSeq Size: | 668 bp |
| RefSeq ORF: | 666 bp |
| Locus ID: | 2880 |
| UniProt ID: | O75715 |
| Cytogenetics: | 6p22.1 |
| Protein Families: | Druggable Genome, Secreted Protein |
| Protein Pathways: | Arachidonic acid metabolism, Glutathione metabolism |



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MW: 25.2 kDa

Gene Summary: This gene belongs to the glutathione peroxidase family. It is specifically expressed in the epididymis in the mammalian male reproductive tract, and is androgen-regulated. Unlike several other characterized glutathione peroxidases, this enzyme is not a selenoprotein, lacking the selenocysteine residue. Thus, it is selenium-independent, and has been proposed to play a role in protecting the membranes of spermatozoa from the damaging effects of lipid peroxidation and/or preventing premature acrosome reaction. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2016]