

Product datasheet for **RR214225L3V**

Gpi (NM_207592) Rat Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Gpi (NM_207592) Rat Tagged ORF Clone Lentiviral Particle |
| Symbol: | Gpi |
| Synonyms: | Amf; Gpi1; Nlk; Pgi; Phi |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_207592 |
| ORF Size: | 1674 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RR214225). |
| 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_207592.1 , NP_997475.1 |
| RefSeq Size: | 2130 bp |
| RefSeq ORF: | 1677 bp |
| Locus ID: | 292804 |
| UniProt ID: | Q6P6V0 |
| Cytogenetics: | 1q21 |



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Gene Summary:

This gene encodes a member of the glucose phosphate isomerase protein family. A similar protein in human and mouse has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In the cytoplasm, the gene product functions as a glycolytic enzyme (glucose-6-phosphate isomerase) that interconverts glucose-6-phosphate and fructose-6-phosphate. Extracellularly, the protein (also referred to as neuroleukin) functions as a neurotrophic factor that promotes survival of skeletal motor neurons and sensory neurons, and as a lymphokine that induces immunoglobulin secretion. The protein is also referred to as autocrine motility factor based on an additional function as a tumor-secreted cytokine and angiogenic factor. [provided by RefSeq, Jan 2014]