

Product datasheet for RR214225L4

Gpi (NM_207592) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Gpi (NM_207592) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Gpi

Synonyms: Amf; Gpi1; Nlk; Pgi; Phi

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RR214225).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_207592

ORF Size: 1674 bp



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Gpi (NM_207592) Rat Tagged Lenti ORF Clone - RR214225L4

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 207592.1</u>, <u>NP 997475.1</u>

 RefSeq Size:
 2130 bp

 RefSeq ORF:
 1677 bp

 Locus ID:
 292804

 UniProt ID:
 Q6P6V0

 Cytogenetics:
 1q21

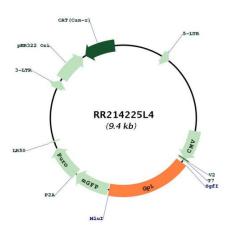
Gene Summary: This gene encodes a member of the glucose phosphate isomerase protein family. A similar

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-phophsate 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]



Product images:



Circular map for RR214225L4