

## Product datasheet for **RC204763L4V**

### GNPDA1 (NM\_005471) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	GNPDA1 (NM_005471) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GNPDA1
Synonyms:	GNP1; GNPDA; GNPI; GPI; HLN
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005471
ORF Size:	867 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204763).
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_005471.3</a>
RefSeq Size:	2311 bp
RefSeq ORF:	870 bp
Locus ID:	10007
UniProt ID:	<a href="#">P46926</a>
Cytogenetics:	5q31.3
Domains:	Glucosamine_iso
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Metabolic pathways



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**MW:** 32.7 kDa

**Gene Summary:** Glucosamine-6-phosphate deaminase (EC 3.5.99.6) is an allosteric enzyme that catalyzes the reversible conversion of D-glucosamine-6-phosphate into D-fructose-6-phosphate and ammonium (Arreola et al., 2003 [PubMed 12965206]).[supplied by OMIM, Jan 2010]