Product datasheet for RC202194L4V

GNPDA2 (NM_138335) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GNPDA2 (NM_138335) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GNPDA2
Synonyms:	GNP2; SB52
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_138335
ORF Size:	420 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202194).
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_138335.1
RefSeq Size:	2313 bp
RefSeq ORF:	831 bp
Locus ID:	132789
UniProt ID:	Q8TDQ7
Cytogenetics:	4p12
Domains:	Glucosamine_iso
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Metabolic pathways

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MW: 30.9 kDa

Gene Summary: The protein encoded by this gene is an allosteric enzyme that catalyzes the reversible reaction converting D-glucosamine-6-phosphate into D-fructose-6-phosphate and ammonium. Variations of this gene have been reported to be associated with influencing body mass index and susceptibility to obesity. A pseudogene of this gene is located on chromosome 9. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Aug 2012]