

Product datasheet for **RR206447L3V**

Gapdh (NM_017008) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gapdh (NM_017008) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Gapdh
Synonyms:	BARS-38; Gapd
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_017008
ORF Size:	999 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR206447).
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_017008.4 , NP_058704.1
RefSeq Size:	1307 bp
RefSeq ORF:	1002 bp
Locus ID:	24383
UniProt ID:	P04797
Cytogenetics:	4q42



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Gene Summary:

This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase 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. The encoded protein was originally identified as a key glycolytic enzyme that converts D-glyceraldehyde 3-phosphate (G3P) into 3-phospho-D-glyceroyl phosphate. Subsequent studies in human and mouse have assigned a variety of additional functions to the protein including nitrosylation of nuclear proteins. Many pseudogenes similar to this locus are found throughout the rat genome. [provided by RefSeq, Jan 2014]