

Product datasheet for **RC205362L4V**

GAPDHS (NM_014364) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GAPDHS (NM_014364) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GAPDHS
Synonyms:	GAPD2; GAPDH-2; GAPDS; HEL-S-278; HSD-35
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014364
ORF Size:	1224 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205362).
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_014364.3
RefSeq Size:	1492 bp
RefSeq ORF:	1227 bp
Locus ID:	26330
UniProt ID:	O14556
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome
MW:	44.5 kDa



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Gene Summary:

This gene encodes a protein belonging to the glyceraldehyde-3-phosphate dehydrogenase family of enzymes that play an important role in carbohydrate metabolism. Like its somatic cell counterpart, this sperm-specific enzyme functions in a nicotinamide adenine dinucleotide-dependent manner to remove hydrogen and add phosphate to glyceraldehyde 3-phosphate to form 1,3-diphosphoglycerate. During spermiogenesis, this enzyme may play an important role in regulating the switch between different energy-producing pathways, and it is required for sperm motility and male fertility. [provided by RefSeq, Jul 2008]