

Product datasheet for **MR224471L4V**

Phgdh (NM_016966) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Phgdh (NM_016966) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Phgdh
Synonyms:	3-PGDH; 3PGDH; 4930479N23; A10; PGAD; PGD; PGDH; SERA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016966
ORF Size:	1602 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224471).
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_016966.3 , NP_058662.2
RefSeq Size:	1871 bp
RefSeq ORF:	1602 bp
Locus ID:	236539
UniProt ID:	Q61753
Cytogenetics:	3 F2.2



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Gene Summary:

Catalyzes the reversible oxidation of 3-phospho-D-glycerate to 3-phosphonooxypyruvate, the first step of the phosphorylated L-serine biosynthesis pathway. Does not catalyze the reversible oxidation of 2-hydroxyglutarate to 2-oxoglutarate and the reversible oxidation of (S)-malate to oxaloacetate.[UniProtKB/Swiss-Prot Function]