Product datasheet for RC219985L4V

GPD2 (NM_000408) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GPD2 (NM_000408) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GPD2
Synonyms:	GDH2; GPDM; mGDH; mGPDH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000408
ORF Size:	1397 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219985).
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_000408.2
RefSeq Size:	5820 bp
RefSeq ORF:	2184 bp
Locus ID:	2820
UniProt ID:	P43304
Cytogenetics:	2q24.1
Domains:	EFh, DAO
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways:	Glycerophospholipid metabolism
MW:	81.3 kDa
Gene Summary:	The protein encoded by this gene localizes to the inner mitochondrial membrane and catalyzes the conversion of glycerol-3-phosphate to dihydroxyacetone phosphate, using FAD as a cofactor. Along with GDP1, the encoded protein constitutes the glycerol phosphate shuttle, which reoxidizes NADH formed during glycolysis. Two transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Jan 2010]