

Product datasheet for **MR208269L4V**

G6pdx (NM_008062) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	G6pdx (NM_008062) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	G6pdx
Synonyms:	G6pd; G28A; Gpdx
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008062
ORF Size:	1548 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208269).
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_008062.2
RefSeq Size:	2639 bp
RefSeq ORF:	1548 bp
Locus ID:	14381
UniProt ID:	Q00612
Cytogenetics:	X 38.0 cM


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Gene Summary:

Catalyzes the rate-limiting step of the oxidative pentose-phosphate pathway, which represents a route for the dissimilation of carbohydrates besides glycolysis. The main function of this enzyme is to provide reducing power (NADPH) and pentose phosphates for fatty acid and nucleic acid synthesis (By similarity).[UniProtKB/Swiss-Prot Function]