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Product datasheet for RC220625L4V

Glucose 6 Phosphate Dehydrogenase (G6PD) (NM_000402) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Name:Glucose 6 Phosphate Dehydrogenase (G6PD) (NM_000402) Human Tagged ORF Clone Lentiviral ParticleSymbol:Glucose 6 Phosphate DehydrogenaseSynonyms:G6PD1Mammalian Cell Selection:PuromycinVector:plenti-C:mGFP-P2A-Puro (PS100093)Tag:mGFPACCN:NM_000402ORF Size:1635 bpORF Nucleotide Sequence:The ORF insert of this clone is exactly the same as(RC220625).ORF Nucleotide Sequence:The onlecular 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 infoOTI Annotation:NM 000402.3, NP 000393.4RefSeq ORF:1638 bpLocus ID:2539UniProt ID:P11413Cytogenetis:Xq28Domains:G6PD	Product Type:	Lentiviral Particles
Synonyms:G6PD1Mammalian Cell Selection:PuromycinVector:pLenti-C-mGFP-P2A-Puro (PS100093)Tag:mGFPACCN:NM_000402ORF Size:1635 bpORF Nucleotide Sequence:The molecular sequence of this clone is exactly the same as(RC220625).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 infoOTI Annotation:NM_000402.3, NP 000393.4RefSeq Size:2395 bpRefSeq ORF:1638 bpLocus ID:2539UniProt ID:P11413Cytogenetis:Xq28	Product Name:	
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RefSeq ORF: 1638 bp Locus ID: 2539 UniProt ID: P11413 Cytogenetics: Xq28	RefSeq:	<u>NM 000402.3, NP 000393.4</u>
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Cytogenetics: Xq28	Locus ID:	2539
	UniProt ID:	<u>P11413</u>
Domains: G6PD	Cytogenetics:	Xq28
	Domains:	G6PD



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Protein Families: Protein Pathways:	Druggable Genome Glutathione metabolism, Metabolic pathways, Pentose phosphate pathway
MW:	62.3 kDa
Gene Summary:	This gene encodes glucose-6-phosphate dehydrogenase. This protein is a cytosolic enzyme encoded by a housekeeping X-linked gene whose main function is to produce NADPH, a key electron donor in the defense against oxidizing agents and in reductive biosynthetic reactions. G6PD is remarkable for its genetic diversity. Many variants of G6PD, mostly produced from missense mutations, have been described with wide ranging levels of enzyme activity and associated clinical symptoms. G6PD deficiency may cause neonatal jaundice, acute hemolysis, or severe chronic non-spherocytic hemolytic anemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]