

## Product datasheet for RC209890L2V

## OriGene Technologies, Inc.

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## H6PD (NM\_004285) Human Tagged ORF Clone Lentiviral Particle

## **Product data:**

**Product Type:** Lentiviral Particles

**Product Name:** H6PD (NM\_004285) Human Tagged ORF Clone Lentiviral Particle

Symbol: H6PD

Synonyms: CORTRD1; G6PDH; GDH; H6PDH

**Mammalian Cell** 

Selection:

None

**Vector:** pLenti-C-mGFP (PS100071)

Tag: mGFP

**ACCN:** NM\_004285 **ORF Size:** 2373 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC209890).

OTI Disclaimer:

Sequence:

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.

**RefSeg:** NM 004285.3

 RefSeq Size:
 9117 bp

 RefSeq ORF:
 2376 bp

 Locus ID:
 9563

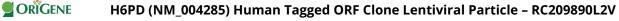
 UniProt ID:
 095479

 Cytogenetics:
 1p36.22

**Domains:** G6PD, Glucosamine\_iso

**Protein Pathways:** Metabolic pathways, Pentose phosphate pathway





**MW:** 88.9 kDa

**Gene Summary:** There are 2 forms of glucose-6-phosphate dehydrogenase. G form is X-linked and H form,

encoded by this gene, is autosomally linked. This H form shows activity with other hexose-6-phosphates, especially galactose-6-phosphate, whereas the G form is specific for glucose-6-phosphate. Both forms are present in most tissues, but H form is not found in red cells.

[provided by RefSeq, Jul 2008]