

Product datasheet for RC202960L2V

OriGene Technologies, Inc.

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QPRT (NM_014298) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: QPRT (NM_014298) Human Tagged ORF Clone Lentiviral Particle

Symbol: QPR1

Synonyms: HEL-S-90n; QPRTase

Mammalian Cell

Selection:

None

Vector: pLenti-C-mGFP (PS100071)

Tag: mGFP

ACCN: NM_014298

ORF Size: 891 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC202960).

Sequence:
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

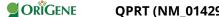
varies depending on the nature of the gene.

RefSeg: NM 014298.3

RefSeq Size: 1575 bp
RefSeq ORF: 894 bp
Locus ID: 23475
UniProt ID: Q15274
Cytogenetics: 16p11.2
Domains: QRPTase

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism





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MW: 30.8 kDa

Gene Summary: This gene encodes a key enzyme in catabolism of quinolinate, an intermediate in the

tryptophan-nicotinamide adenine dinucleotide pathway. Quinolinate acts as a most potent endogenous exitotoxin to neurons. Elevation of quinolinate levels in the brain has been linked to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimer's disease, and Huntington's disease. Alternative splicing results in multiple transcript variants.

[provided by RefSeq, Dec 2015]