

Product datasheet for RC217677L2V

OriGene Technologies, Inc.

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Nephrin (NPHS1) (NM 004646) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Nephrin (NPHS1) (NM_004646) Human Tagged ORF Clone Lentiviral Particle

Symbol: Nephrin

CNF; nephrin; NPHN Synonyms:

Mammalian Cell

Selection:

None

Vector: pLenti-C-mGFP (PS100071)

mGFP Tag:

NM 004646 ACCN: **ORF Size:** 3723 bp

ORF Nucleotide

Sequence: OTI Disclaimer: The ORF insert of this clone is exactly the same as(RC217677).

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 004646.1

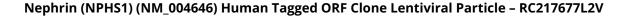
RefSeq Size: 4285 bp RefSeq ORF: 3726 bp Locus ID: 4868 **UniProt ID:** O60500

Cytogenetics: 19q13.12

Protein Families: Druggable Genome, Transmembrane

MW: 134.6 kDa







Gene Summary:

This gene encodes a member of the immunoglobulin family of cell adhesion molecules that functions in the glomerular filtration barrier in the kidney. The gene is primarily expressed in renal tissues, and the protein is a type-1 transmembrane protein found at the slit diaphragm of glomerular podocytes. The slit diaphragm is thought to function as an ultrafilter to exclude albumin and other plasma macromolecules in the formation of urine. Mutations in this gene result in Finnish-type congenital nephrosis 1, characterized by severe proteinuria and loss of the slit diaphragm and foot processes.[provided by RefSeq, Oct 2009]