

Product datasheet for **RC217677L2V**

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
Synonyms:	CNF; nephrin; NPHN
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004646
ORF Size:	3723 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217677).
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_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



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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]