

## Product datasheet for **RC216464L2V**

### Nephrocystin 4 (NPHP4) (NM\_015102) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Nephrocystin 4 (NPHP4) (NM_015102) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Nephrocystin 4
Synonyms:	POC10; SLSN4
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_015102
ORF Size:	4278 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216464).
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. <a href="#">More info</a>
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:	<a href="#">NM_015102.2</a>
RefSeq Size:	5020 bp
RefSeq ORF:	4281 bp
Locus ID:	261734
UniProt ID:	<a href="#">O75161</a>
Cytogenetics:	1p36.31
MW:	157.4 kDa



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**Gene Summary:**

This gene encodes a protein involved in renal tubular development and function. This protein interacts with nephrocystin, and belongs to a multifunctional complex that is localized to actin- and microtubule-based structures. Mutations in this gene are associated with nephronophthisis type 4, a renal disease, and with Senior-Loken syndrome type 4, a combination of nephronophthisis and retinitis pigmentosa. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]