

Product datasheet for **RC223269L4V**

WNK4 (NM_032387) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	WNK4 (NM_032387) Human Tagged ORF Clone Lentiviral Particle
Symbol:	WNK4
Synonyms:	PHA2B; PRKWNK4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_032387
ORF Size:	3729 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223269).
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_032387.3
RefSeq Size:	4147 bp
RefSeq ORF:	3732 bp
Locus ID:	65266
UniProt ID:	Q96J92
Cytogenetics:	17q21.2
Protein Families:	Druggable Genome, Protein Kinase
MW:	134.6 kDa



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Gene Summary:

This gene encodes a member of the WNK family of serine-threonine protein kinases. The kinase is part of the tight junction complex in kidney cells, and regulates the balance between NaCl reabsorption and K(+) secretion. The kinase regulates the activities of several types of ion channels, cotransporters, and exchangers involved in electrolyte flux in epithelial cells. Mutations in this gene result in pseudohypoaldosteronism type IIB.[provided by RefSeq, Sep 2009]