

## Product datasheet for **RC218128L4V**

### WDR59 (NM\_030581) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	WDR59 (NM_030581) Human Tagged ORF Clone Lentiviral Particle
Symbol:	WDR59
Synonyms:	CDW12; FP977; p90-120
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_030581
ORF Size:	2922 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218128).
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_030581.3</a>
RefSeq Size:	3678 bp
RefSeq ORF:	2925 bp
Locus ID:	79726
UniProt ID:	<a href="#">Q6PJI9</a>
Cytogenetics:	16q23.1
Domains:	WD40, RWD
MW:	109.6 kDa


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**Gene Summary:**

As a component of the GATOR subcomplex GATOR2, functions within the amino acid-sensing branch of the TORC1 signaling pathway. Indirectly activates mTORC1 and the TORC1 signaling pathway through the inhibition of the GATOR1 subcomplex (PubMed:23723238). It is negatively regulated by the upstream amino acid sensors SESN2 and CASTOR1 (PubMed:25457612, PubMed:27487210).[UniProtKB/Swiss-Prot Function]