

## Product datasheet for **RC213044L3V**

### ZFYVE19 (NM\_001077268) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ZFYVE19 (NM_001077268) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ZFYVE19
Synonyms:	ANCHR; MPFYVE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001077268
ORF Size:	1413 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213044).
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_001077268.1</a>
RefSeq Size:	2293 bp
RefSeq ORF:	1416 bp
Locus ID:	84936
UniProt ID:	<a href="#">Q96K21</a>
Cytogenetics:	15q15.1
MW:	51.4 kDa


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**Gene Summary:**

Key regulator of abscission step in cytokinesis: part of the cytokinesis checkpoint, a process required to delay abscission to prevent both premature resolution of intercellular chromosome bridges and accumulation of DNA damage. Together with CHMP4C, required to retain abscission-competent VPS4 (VPS4A and/or VPS4B) at the midbody ring until abscission checkpoint signaling is terminated at late cytokinesis. Deactivation of AURKB results in dephosphorylation of CHMP4C followed by its dissociation from ZFYVE19/ANCHR and VPS4 and subsequent abscission.[UniProtKB/Swiss-Prot Function]