

## Product datasheet for **MR218832L3V**

### **Snx27 (NM\_029721) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Snx27 (NM_029721) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Snx27
Synonyms:	5730552M22Rik; ESTM45; ESTM47; R75405
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_029721
ORF Size:	1578 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218832).
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_029721.2</a> , <a href="#">NP_083997.1</a>
RefSeq Size:	6259 bp
RefSeq ORF:	1581 bp
Locus ID:	76742
UniProt ID:	<a href="#">Q3UHD6</a>
Cytogenetics:	3 F2.1



[View online »](#)

**Gene Summary:**

Involved in the retrograde transport from endosome to plasma membrane, a trafficking pathway that promotes the recycling of internalized transmembrane proteins. Following internalization, endocytosed transmembrane proteins are delivered to early endosomes and recycled to the plasma membrane instead of being degraded in lysosomes. SNX27 specifically binds and directs sorting of a subset of transmembrane proteins containing a PDZ-binding motif at the C-terminus: following interaction with target transmembrane proteins, associates with the retromer complex, preventing entry into the lysosomal pathway, and promotes retromer-tubule based plasma membrane recycling. SNX27 also binds with the WASH complex. Interacts with membranes containing phosphatidylinositol-3-phosphate (PtdIns(3P)). May participate in establishment of natural killer cell polarity. Recruits CYTIP to early endosomes.[UniProtKB/Swiss-Prot Function]