

## Product datasheet for **MR209040L4V**

### **Nploc4 (NM\_199469) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

<b>Product Type:</b>	Lentiviral Particles
<b>Symbol:</b>	Nploc4
<b>Synonyms:</b>	AK129375; mKIAA1499; Npl4
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Vector:</b>	pLenti-C-mGFP-P2A-Puro (PS100093)
<b>Tag:</b>	mGFP
<b>ACCN:</b>	NM_199469
<b>ORF Size:</b>	1728 bp

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(MR209040).

**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.

<b>RefSeq:</b>	<a href="#">NM_199469.1</a>
<b>RefSeq Size:</b>	4589 bp
<b>RefSeq ORF:</b>	1731 bp
<b>Locus ID:</b>	217365
<b>UniProt ID:</b>	<a href="#">P60670</a>
<b>Cytogenetics:</b>	11 E2



**Gene Summary:**

The ternary complex containing UFD1, VCP and NPLOC4 binds ubiquitinated proteins and is necessary for the export of misfolded proteins from the ER to the cytoplasm, where they are degraded by the proteasome. The NPLOC4-UFD1-VCP complex regulates spindle disassembly at the end of mitosis and is necessary for the formation of a closed nuclear envelope (By similarity). Acts as a negative regulator of type I interferon production via the complex formed with VCP and UFD1, which binds to DDX58/RIG-I and recruits RNF125 to promote ubiquitination and degradation of DDX58/RIG-I (By similarity).[UniProtKB/Swiss-Prot Function]