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Product datasheet for RC205829L2V

NPL4 (NPLOC4) (NM_017921) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NPL4 (NPLOC4) (NM_017921) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NPL4
Synonyms:	NPL4
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_017921
ORF Size:	1824 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205829).
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_017921.1
RefSeq Size:	4401 bp
RefSeq ORF:	1827 bp
Locus ID:	55666
UniProt ID:	Q8TAT6
Cytogenetics:	17q25.3
Domains:	zf-RanBP, zf-NPL4, NPL4
MW:	68.1 kDa

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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 (PubMed:26471729).[UniProtKB/Swiss-Prot Function]