

Product datasheet for **MR205875L4V**

Nck1 (NM_010878) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nck1 (NM_010878) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nck1
Synonyms:	6330586M15Rik; D230010O13Rik; Nck; Nck-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010878
ORF Size:	1134 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205875).
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_010878.2 , NP_035008.2
RefSeq Size:	1699 bp
RefSeq ORF:	1134 bp
Locus ID:	17973
UniProt ID:	Q99M51
Cytogenetics:	9 E3.3



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Gene Summary:

Adapter protein which associates with tyrosine-phosphorylated growth factor receptors, such as KDR and PDGFRB, or their cellular substrates. Maintains low levels of EIF2S1 phosphorylation by promoting its dephosphorylation by PP1. Plays a role in the DNA damage response, not in the detection of the damage by ATM/ATR, but for efficient activation of downstream effectors, such as that of CHEK2. Plays a role in ELK1-dependent transcriptional activation in response to activated Ras signaling. Modulates the activation of EIF2AK2/PKR by dsRNA (By similarity).[UniProtKB/Swiss-Prot Function]