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Product datasheet for MR219437L3V

Nos1ap (NM_001109985) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nos1ap (NM_001109985) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nos1ap
Synonyms:	6330408P19Rik; Capon
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001109985
ORF Size:	1509 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR219437).`
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_001109985.1
RefSeq Size:	2973 bp
RefSeq ORF:	1512 bp
Locus ID:	70729
UniProt ID:	Q9D3A8
Cytogenetics:	1 H3

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Gene Summary: Adapter protein involved in neuronal nitric-oxide (NO) synthesis regulation via its association with nNOS/NOS1. The complex formed with NOS1 and synapsins is necessary for specific NO and synapsin functions at a presynaptic level. Mediates an indirect interaction between NOS1 and RASD1 leading to enhance the ability of NOS1 to activate RASD1. Competes with DLG4 for interaction with NOS1, possibly affecting NOS1 activity by regulating the interaction between NOS1 and DLG4 (By similarity).[UniProtKB/Swiss-Prot Function]