

Product datasheet for **MR212151L3V**

DII4 (NM_019454) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DII4 (NM_019454) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	DII4
Synonyms:	Delta4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_019454
ORF Size:	2058 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR212151).
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_019454.2 , NP_062327.1
RefSeq Size:	3426 bp
RefSeq ORF:	2061 bp
Locus ID:	54485
UniProt ID:	Q9J171
Cytogenetics:	2 E5



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Gene Summary:

Involved in the Notch signaling pathway as Notch ligand (PubMed:11134954). Activates NOTCH1 and NOTCH4. Involved in angiogenesis; negatively regulates endothelial cell proliferation and migration and angiogenic sprouting (By similarity). Essential for retinal progenitor proliferation. Required for suppressing rod fates in late retinal progenitors as well as for proper generation of other retinal cell types (PubMed:22323600). During spinal cord neurogenesis, inhibits V2a interneuron fate (By similarity).[UniProtKB/Swiss-Prot Function]