

Product datasheet for **MR201384L4V**

Nudt3 (BC016534) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nudt3 (BC016534) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nudt3
Synonyms:	1110011B09Rik; AA960325; Dipp; Dipp1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC016534
ORF Size:	504 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201384).
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:	BC016534.1
RefSeq Size:	2092 bp
RefSeq ORF:	506 bp
Locus ID:	56409
Cytogenetics:	17 A3.3



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Gene Summary:

Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate) and [PP]2-InsP4 (bisdiphosphoinositol tetrakisphosphate), suggesting that it may play a role in signal transduction. InsP6 (inositol hexakisphosphate) is not a substrate. Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate (By similarity). Acts as a negative regulator of the ERK1/2 pathway.[UniProtKB/Swiss-Prot Function]