

Product datasheet for **MR210991L3V**

Enpp2 (NM_015744) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Enpp2 (NM_015744) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Enpp2
Synonyms:	AT; ATX; Auto; E-NPP 2; lysoPLD; N; Npps2; Pd; PD-; PD-lalpha; Pdnp2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_015744
ORF Size:	2589 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210991).
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_015744.1 , NP_056559.1
RefSeq Size:	3461 bp
RefSeq ORF:	2589 bp
Locus ID:	18606
UniProt ID:	Q9R1E6
Cytogenetics:	15 D1



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Gene Summary:

This gene encodes a member of the phosphodiesterase and nucleotide pyrophosphatase family of bifunctional enzymes that hydrolyze phosphodiester bonds of various nucleotides. The encoded protein undergoes proteolytic processing to generate a mature protein with lysophospholipase D activity, catalyzing the cleavage of the choline group from lysophosphatidylcholine to produce lysophosphatidic acid. This gene is expressed in numerous tissues and participates in neural development, obesity, inflammation and oncogenesis. A complete lack of the encoded protein in mice results in aberrant vascular and neuronal development leading to embryonic lethality. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate the mature protein. [provided by RefSeq, Sep 2015]