

Product datasheet for **MR208254L4V**

Impdh2 (NM_011830) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Impdh2 (NM_011830) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Impdh2
Synonyms:	IMPD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011830
ORF Size:	1545 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208254).
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_011830.3
RefSeq Size:	1632 bp
RefSeq ORF:	1545 bp
Locus ID:	23918
UniProt ID:	P24547
Cytogenetics:	9 F2



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Gene Summary:

Catalyzes the conversion of inosine 5'-phosphate (IMP) to xanthosine 5'-phosphate (XMP), the first committed and rate-limiting step in the de novo synthesis of guanine nucleotides, and therefore plays an important role in the regulation of cell growth. Could also have a single-stranded nucleic acid-binding activity and could play a role in RNA and/or DNA metabolism. It may also have a role in the development of malignancy and the growth progression of some tumors.[UniProtKB/Swiss-Prot Function]