

## Product datasheet for **RC209573L4V**

### DNase II (DNASE2) (NM\_001375) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	DNase II (DNASE2) (NM_001375) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DNase II
Synonyms:	DNASE2A; DNL; DNL2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001375
ORF Size:	1080 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209573).
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. <a href="#">More info</a>
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:	<a href="#">NM_001375.2</a>
RefSeq Size:	2011 bp
RefSeq ORF:	1083 bp
Locus ID:	1777
UniProt ID:	<a href="#">O00115</a>
Cytogenetics:	19p13.13
Domains:	DNase_II
Protein Families:	Druggable Genome



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**Protein Pathways:** Lysosome

**MW:** 39.6 kDa

**Gene Summary:** This gene encodes a member of the DNase family. The protein, located in the lysosome, hydrolyzes DNA under acidic conditions and mediates the breakdown of DNA during erythropoiesis and apoptosis. Two codominant alleles have been characterized, DNASE2\*L (low activity) and DNASE2\*H (high activity), that differ at one nucleotide in the promoter region. The DNASE2\*H allele is represented in this record. [provided by RefSeq, Jul 2008]