

Product datasheet for **RC205927L2V**

DNase I (DNASE1) (NM_005223) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DNase I (DNASE1) (NM_005223) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DNase I
Synonyms:	DNL1; DRNI
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005223
ORF Size:	846 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205927).
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_005223.3 , NP_005214.2
RefSeq Size:	3108 bp
RefSeq ORF:	849 bp
Locus ID:	1773
UniProt ID:	P24855
Cytogenetics:	16p13.3
Domains:	Exo_endo_phos, DNaseIc
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane



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MW: 31.4 kDa

Gene Summary: This gene encodes a member of the DNase family. This protein is stored in the zymogen granules of the nuclear envelope and functions by cleaving DNA in an endonucleolytic manner. At least six autosomal codominant alleles have been characterized, DNASE1*1 through DNASE1*6, and the sequence of DNASE1*2 represented in this record. Mutations in this gene have been associated with systemic lupus erythematosus (SLE), an autoimmune disease. A recombinant form of this protein is used to treat the one of the symptoms of cystic fibrosis by hydrolyzing the extracellular DNA in sputum and reducing its viscosity. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]