

Product datasheet for RC209573L4

OriGene Technologies, Inc.

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DNase II (DNASE2) (NM_001375) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: DNase II (DNASE2) (NM_001375) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: DNase II

Synonyms: DNASE2A; DNL; DNL2

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

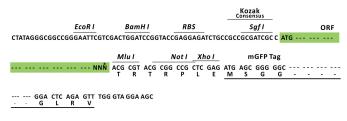
The ORF insert of this clone is exactly the same as(RC209573).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001375

ORF Size: 1080 bp





DNase II (DNASE2) (NM_001375) Human Tagged Lenti ORF Clone - RC209573L4

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001375.2</u>

 RefSeq Size:
 2011 bp

 RefSeq ORF:
 1083 bp

 Locus ID:
 1777

 UniProt ID:
 000115

Cytogenetics: 19p13.13

Domains: DNase II

Protein Families: Druggable Genome

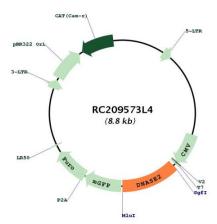
Protein Pathways: Lysosome MW: 39.6 kDa

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]



Product images:



Circular map for RC209573L4