

Product datasheet for **RC233618**

DNase gamma (DNASE1L3) (NM_001256560) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNase gamma (DNASE1L3) (NM_001256560) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNase gamma
Synonyms:	DHP2; DNASE1L3; LSD; SLEB16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233618 representing NM_001256560 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCACGGGAGCTGGCCCCACTGCTGCTTCTCCTCTCCATCCACAGCGCCCTGGCCATGAGGATCT
 GCTCCTTCAACGTCAGGTCCTTTGGGAAAGCAAGCAGGAAGACAAGAATGCCATGGATGTCATTGTGAA
 GGTCATCAAACGCTGTGACATCATACTCGTGATGGAAATCAAGGACAGCAACAACAGGATCTGCCCCATA
 CTGATGGAGAAGCTGAACAGGGAAAAGCTGGTGTCTGTGAAGAGGAGTTATCACTACCATGACTATCAGG
 ATGGAGACGCAGATGTGTTTTCCAGGGAGCCCTTTGTGGTCTGGTTCCAATCTCCCCACACTGCTGTCAA
 AGACTTCGTGATTATCCCTGACACACCACCCAGAGACATCCGTTAAGGAGATCGATGAGTTGGTTGAG
 GTCTACACGGACGTGAAACACCGCTGGAAGGCGGAGAATTTATTTTCATGGGTGACTTCAATGCCGGCT
 GCAGCTACGTCCCAAGAAGGCCTGGAAGAACATCCGCTTGAGGACTGACCCAGGTTTGTGGCTGAT
 CGGGGACCAAGAGGACACCACGGTGAAGAAGAGCACCAACTGTGCATATGACAGGATTGTGCTTAGAGGA
 CAAGAAATCGTCAGTTCTGTTGTTCCCAAGTCAAACAGTGTGTTTGACTTCCAGAAAGCTTACAAGCTGA
 CTGAAGAGGAGGCCCTGGATGTCAGCGACCACTTTCCAGTTGAATTTAACTACAGTCTTCAAGGCCCTT
 CACCAACAGCAAAAAATCTGTCACTCTAAGGAAGAAAAACAAGAGCAAACGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >RC233618 representing NM_001256560

Red=Cloning site Green=Tags(s)

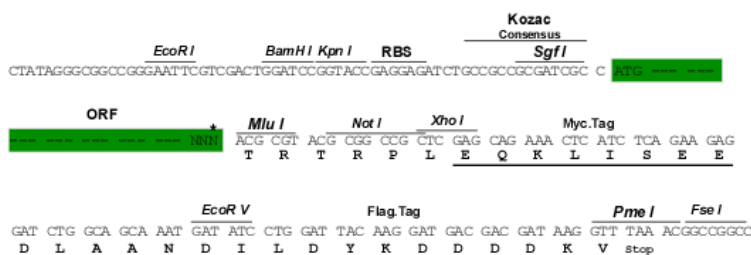
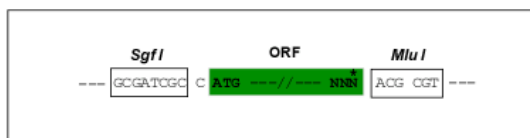
MSRELAPLLLLLLSIHSALAMRICSFNVSFSGESKQEDKNAMDVIVKVIKRCDIILVMEIKDSNNRICPI
LMEKLNREKLVSVKRSYHYHDYQDGDADVSREPFVVFVQSPHTAVKDFVIIPLHTTPETSVEIDELVE
VYTDVKHRWKAENFIFMGDFNAGCSYVPKAWKNIRLRTDPRFVWLIGDQEDTTVKKSTNCAYDRIVLRG
OEIVSSVVPKNSVDFQKAYKLTTEEALDVSDHPVEFKLOSSRAFTNSKKSVTLRKKTSKRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001256560

ORF Size: 825 bp

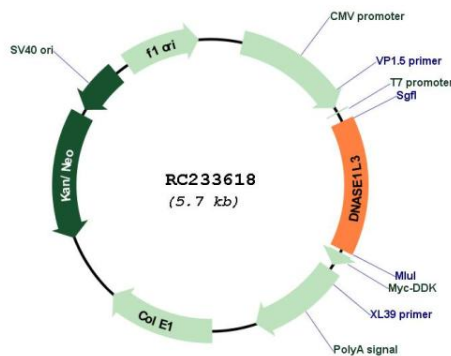
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001256560.1, NP_001243489.1</u>
RefSeq Size:	986 bp
RefSeq ORF:	828 bp
Locus ID:	1776
UniProt ID:	<u>Q13609</u>
Cytogenetics:	3p14.3
Protein Families:	Druggable Genome
MW:	32.3 kDa
Gene Summary:	This gene encodes a member of the deoxyribonuclease I family. The encoded protein hydrolyzes DNA, is not inhibited by actin, and mediates the breakdown of DNA during apoptosis. Mutations in this gene are a cause of systemic lupus erythematosus-16. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RC233618