

Product datasheet for **SC332418**

DNase gamma (DNASE1L3) (NM_001256560) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DNase gamma (DNASE1L3) (NM_001256560) Human Untagged Clone
Tag: Tag Free
Symbol: DNase gamma
Synonyms: DHP2; DNASE1L3; LSD; SLEB16
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332418 representing NM_001256560.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCACGGGAGCTGGCCCCACTGCTGCTTCTCCTCTCCATCCACAGCGCCCTGGCCATGAGGATC
TGCTCCTTCAACGTCAGGTCCTTTGGGAAAGCAAGCAGGAAGACAAGAATGCCATGGATGTCATTGTG
AAGGTCATCAAACGCTGTGACATCATACTCGTGATGGAATCAAGGACAGCAACAACAGGATCTGCCCC
ATACTGATGGAGAAGCTGAACAGGGAAAAGCTGGTGTCTGTGAAGAGGAGTTATCACTACCATGACTAT
CAGGATGGAGACGACAGATGTGTTTTCCAGGGAGCCCTTTGTGGTCTGGTCCAATCTCCCCACACTGCT
GTCAAAGACTTCGTGATTATCCCCTGCACACCACCCAGAGACATCCGTTAAGGAGATCGATGAGTTG
GTTGAGGTCTACACGGAGGTGAAACACCGCTGGAAGGCGGAGAATTTCAATTTTCATGGGTGACTTCAAT
GCCGGCTCGAGCTACGTCCCAAGAAGGCTGGAAGAACATCCGCTTGAGGACTGACCCAGGTTTGTGTT
TGGCTGATCGGGACCAAGAGGACACCACGGTGAAGAAGAGCACCAACTGTGCATATGACAGGATTGTG
CTTAGAGGACAAGAAATCGTCAGTTCTGTTGTTCCCAAGTCAAACAGTGTTTTTGACTTCCAGAAAGCT
TACAAGCTGACTGAAGAGGAGGCCCTGGATGTCAGCGACCACTTCCAGTTGAATTTAACTACAGTCT
TCAAGGGCCTTACCAACAGCAAAAAATCTGTCACTCTAAGGAAGAAAACAAAGAGCAAACGCTCCTAG
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001256560
Insert Size: 828 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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: [NM_001256560.1](#)

RefSeq Size: 986 bp

RefSeq ORF: 828 bp

Locus ID: 1776

UniProt ID: [Q13609](#)

Cytogenetics: 3p14.3

Protein Families: Druggable Genome

MW: 31.9 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]
Transcript Variant: This variant (2) lacks an exon in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.