

## Product datasheet for **SC324484**

### DNase gamma (DNASE1L3) (NM\_004944) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DNase gamma (DNASE1L3) (NM_004944) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNase gamma
Synonyms:	DHP2; DNASE1L3; LSD; SLEB16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_004944.2  
 GGGGAGAATCCAGCACTCCAAGCACTGCTGTCTTCTCACAGAGTCTTGAAGCCAGAGCAG  
 CACCAGGATGTCACGGGAGCTGGCCCCACTGCTGCTTCTCCTCCTCCATCCACAGCGC  
 CCTGGCCATGAGGATCTGCTCCTTCAACGTCAGGTCCTTTGGGGAAAGCAAGCAGGAAGA  
 CAAGAATGCCATGGATGTCATTGTGAAGGTCATCAAACGCTGTGACATCATACTCGTGAT  
 GGAAATCAAGGACAGCAACAACAGGATCTGCCCATACTGATGGAGAAGCTGAACAGAAA  
 TTCAAGGAGAGGCATAACGTACAATACTGTGATTAGCTCTCGGCTTGAAGAAACACATA  
 TAAAGAACAATATGCCTTTCTCTACAAGGAAAAGCTGGTGTCTGTGAAGAGGAGTTATCA  
 CTACCATGACTATCAGGATGGAGACGCAGATGTGTTTTCCAGGGAGCCCTTTGTGGTCTG  
 GTTCCAATCTCCCACACTGCTGTCAAAGACTTCGTGATTATCCCCTGCACACCACCC  
 AGAGACATCCGTTAAGGAGATCGATGAGTTGGTTGAGGTCTACACGGACGTGAAACACCG  
 CTGGAAGGCGGAGAATTTCAATTTTCATGGGTGACTTCAATGCCGGCTGCAGCTACGTCCC  
 CAAGAAGGCCCTGGAAGAATCCGCTTGAGGACTGACCCAGGTTTGTGGCTGATCGG  
 GGACCAAGAGGACACCACGGTGAAGAAGAGCACCAACTGTGCATATGACAGGATTGTGCT  
 TAGAGGACAAGAAATCGTCAGTTCTGTTGTTCCCAAGTCAAACAGTGTTTTTGACTTCCA  
 GAAAGCTTACAAGCTGACTGAAGAGGAGGCCCTGGATGTCAGCGACCACTTTCCAGTTGA  
 ATTTAAACTACAGTCTTCAAGGGCCTTCAACAACAGCAAAAAATCTGTCACTCTAAGGAA  
 GAAAACAAGAGCAAACGCTCCTAGACCAAGGGTCTCATCTTATTAACCATTTCTTGCC  
 TCTAAATAAAATGTCTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_004944



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_004944.2</a></u> , <u><a href="#">NP_004935.1</a></u>
<b>RefSeq Size:</b>	1463 bp
<b>RefSeq ORF:</b>	918 bp
<b>Locus ID:</b>	1776
<b>UniProt ID:</b>	<u><a href="#">Q13609</a></u>
<b>Cytogenetics:</b>	3p14.3
<b>Domains:</b>	Exo_endo_phos, DNaseIc
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>