

Recombinant Human Deoxyribonuclease I-like 3

Cat. No. DNASE1L3-622H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Deoxyribonuclease I-like 3 is produced in E. coli.
Species	Human
Source	E.coli
Description	Deoxyribonuclease gamma is an enzyme that in humans is encoded by the DNASE1L3 gene. This gene encodes a member of the DNase family. The protein hydrolyzes DNA, is not inhibited by actin, and mediates the breakdown of DNA during apoptosis. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.
Purity	≥90% (SDS-PAGE).
Formulation	Liquid. In 25mM TRIS-HCl, pH 7.5, containing 150mM potassium chloride and 50% glycerol.
Application	For studying DNASE1L3 catalyzed oligonucleosomal DNA fragmentation.
Storage And Stability	Stable for at least 6 months after receipt when stored at -80°C.

GENE INFORMATION

Gene Name	DNASE1L3 deoxyribonuclease I-like 3 [Homo sapiens]
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Synonyms	DNASE1L3; deoxyribonuclease I-like 3; DNase I homolog protein 2; DNase I homolog protein DHP2; DNase I-like 3; DNase gamma; LS-DNase; Liver and spleen DNase; deoxyribonuclease I-like III; deoxyribonuclease gamma; DHP2, DNAS1L3; EC 3.1.21.-
Gene ID	1776
mRNA Refseq	NM_004944
Protein Refseq	NP_004935
MIM	602244
UniProt ID	Q13609
Chromosome Location	3p21.1-p14.3
Function	DNA binding; calcium ion binding; deoxyribonuclease activity; endodeoxyribonuclease activity; hydrolase activity