

Recombinant Human DNASE1L3

Cat. No. DNASE1L3-26157TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNASE1L3 (51 a.a. - 150 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	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.
Molecular Mass	36.63 kDa
AA Sequence	RCDIILVMEIKDSNNRICPILMEKLNRRNSRRGITYNYVISSRLGRNTYKEQYAFLYKEK LVSVKRSYHYHDYQDG DADVFSREPFVWWFQSPHTAVKDFV
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



GENE INFORMATION

Gene Name	DNASE1L3 deoxyribonuclease I-like 3 [Homo sapiens (human)]
Official Symbol	DNASE1L3
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, DNASE1L3; EC 3.1.21.-
Gene ID	1776
mRNA Refseq	NM_004944
Protein Refseq	NP_004935
MIM	602244
UniProt ID	Q13609
Chromosome Location	3p14.3
Function	DNA binding; calcium ion binding; deoxyribonuclease activity; endodeoxyribonuclease activity; endodeoxyribonuclease activity, producing 5'-phosphomonoesters

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