

Recombinant Mouse Dnase2a Protein, Myc/DDK-tagged

Cat. No. Dnase2a-2616M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length deoxyribonuclease II alpha (Dnase2a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Hydrolyzes DNA under acidic conditions with a preference for double-stranded DNA. Plays a major role in the degradation of nuclear DNA in cellular apoptosis during development. Necessary for proper fetal development and for definitive erythropoiesis in fetal liver, where it degrades nuclear DNA expelled from erythroid precursor cells.
Molecular Mass	39.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Dnase2a deoxyribonuclease II alpha [Mus musculus (house mouse)]
Official Symbol	Dnase2a
Synonyms	Dnase2a; deoxyribonuclease II alpha; Dnase2; deoxyribonuclease-2-alpha; DNase II alpha; acid DNase; lysosomal DNase II; EC 3.1.22.1
Gene ID	13423
mRNA Refseq	NM_010062
Protein Refseq	NP_034192
UniProt ID	P56542

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