

Recombinant Mouse Dnase1 Protein, His-tagged

Cat. No. Dnase1-1358M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Dnase1 Protein (Leu23-Ile284) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu23-Ile284
Description	Enables deoxyribonuclease I activity. Involved in several processes, including DNA catabolic process, endonucleolytic; neutrophil activation involved in immune response; and regulation of neutrophil mediated cytotoxicity. Predicted to be located in cytoplasmic vesicle and extracellular region. Predicted to be active in nucleus. Is expressed in jejunum; metanephros; and tongue. Used to study systemic lupus erythematosus. Human ortholog(s) of this gene implicated in systemic lupus erythematosus. Orthologous to human DNASE1 (deoxyribonuclease 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.4 kDa Accurate Molecular Mass: 33 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Dnase1 deoxyribonuclease I [Mus musculus (house mouse)]
Official Symbol	Dnase1
Synonyms	DNASE1; deoxyribonuclease I; deoxyribonuclease-1; Dnl1; DNaseI; AI788650; MGC144446; MGC144447;
Gene ID	13419
mRNA Refseq	NM_010061
Protein Refseq	NP_034191
UniProt ID	P49183

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