

Recombinant Human DNASE1 protein(Met1-Lys282), His-tagged

Cat. No. DNASE1-1101H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human DNASE1 (P24855) (Met1-Lys282) was expressed in HEK293 with a polyhistidine tag at the C-terminus. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | Met1-Lys282 |
| Form | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| Bio-activity | One unit is defined as the amount of DNase I that degrades DNA and causes an increase in absorbance at 260 nm of 0.001/minute at 25°C , pH 5.0; The specific activity is >5000 unit/mg. |
| Molecular Mass | The recombinant human DNASE1 consists of 271 amino acids and predicts a molecular mass of 30.7 KDa. It migrates as an approximately 37 KDa band in SDS-PAGE under reducing conditions. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method |
| Purity | > 85 % as determined by SDS-PAGE |

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name DNASE1 deoxyribonuclease I [Homo sapiens]

Official Symbol DNASE1

Synonyms DNASE1; deoxyribonuclease I; DNL1; deoxyribonuclease-1; Dornase alfa; DNase I, lysosomal; human urine deoxyribonuclease I; DRNI; FLJ38093; FLJ44902; DKFZp686H0155;

Gene ID 1773

mRNA Refseq NM_005223

Protein Refseq NP_005214

MIM 125505

UniProt ID P24855

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