



# Recombinant Rat Deoxyribonuclease gamma (Dnase1I3)

<b>Product Code</b>	CSB-EP007052RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O89107
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LRLCS FNVRSFGESK KENHNAMDII VKIIKRCDLI LLMEIKDSNN NICPMLMEKL NGNSRRSTTY NYVISSRLGR NTYKEQYAFL YKEKLVSVKA KYLYHDYQDG DTDVFSREPF VVWFQAPFTA AKDFVIVPLH TTPETSVKEI DELADVYTDV RRRWKAENFI FMGDFNAGCS YVPKKAWKNI RLRTDPNFVW LIGDQEDTTV KKSTSCAYDR IVLRGQEIVN SVVPRSSGVF DFQKAYELSE EEALDVSDHF PVEFKLQSSR AFTNSRKSVS LKKKKKGSRS
<b>Source</b>	E.coli
<b>Target Names</b>	Dnase1I3
<b>Protein Names</b>	Recommended name: Deoxyribonuclease gamma Short name= DNase gamma EC= 3.1.21.- Alternative name(s): DNaseY Deoxyribonuclease I-like 3 Short name= DNase I-like 3
<b>Expression Region</b>	26-310
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.