

# Nuclear ribonuclease Z (ELAC), Recombinant Protein

Cat      *RP16570*

Size      0.02 mg (*E-Coli*)/0.1 mg (*E-Coli*)/0.02 mg (*Yeast*)/0.1 mg  
(*Yeast*)/0.02 mg (*Baculovirus*)/0.02 mg (*Mammalian-Cell*)/1 mg

**Species**  
(*E-Coli*)/0.1 mg (*Baculovirus*)/1 mg (*Yeast*)/0.1 mg (*Mammalian-Cell*)/1 mg (*Baculovirus*)/0.5 mg (*Mammalian-Cell*)  
Triticum aestivum (Wheat)

## Full Product Name

Recombinant Triticum aestivum Nuclear ribonuclease Z (ELAC)

## Product Gene Name

ELAC recombinant protein

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

GKAKPRLEIE GYPVEGISIG GHETCVIFPT LSLAFDIGRC PQRAVAQDFL FISHAHL DHI GGLPMYVATR  
GLYRLRPPTI FVPKYLRELV ERLFDVHRAM DQSELNHTLV PLDIGEEYEL RRDLKVRAFK TYHTIPSQGY  
VIYSVKQKLK QDYLGLPGSE IKRLKLSGVE ITNTVT

## Sequence Positions

1-176, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

20,004 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week.  
Repeated freezing and thawing is not recommended.

## Protein Family

Nuclear ribonuclease

## NCBI Accession #

P60193.1

## NCBI GI #

41017597

## NCBI Official Full Name

Nuclear ribonuclease Z

## UniProt Gene Name

ELAC

## UniProt Synonym Gene Names

RNase Z

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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**UniProt Protein Name**  
(E-Coli)/0.1 mg (Baculovirus)/1 mg (Yeast)/0.1 mg (Mammalian-Cell)/1 mg (Baculovirus)/0.5 mg (Mammalian-Cell)  
Nuclear ribonuclease Z

## UniProt Synonym Protein Names

Zinc phosphodiesterase ELAC; tRNA 3' endonuclease; tRNase Z

## UniProt Primary Accession #

P60193

## UniProt Comments

Zinc phosphodiesterase, which displays some tRNA 3'-processing endonuclease activity. Probably involved in tRNA maturation, by removing a 3'-trailer from precursor tRNA.

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