



# Recombinant Rat Ribonuclease H2 subunit B (Rnaseh2b)

<b>Product Code</b>	CSB-EP726368RA-B
<b>Abbreviation</b>	Rnaseh2b
<b>Storage</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.
<b>Uniprot No.</b>	Q5XI96
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	AGGRDRGDL AARQLVFLLP EYLKDASRKS KSGLLFVKLV NPHSGEGATY LIDACLQKLF EIKVFKEKHH SWFINQSVQS GLLHFATPM DPLFLLLHYL IKAGKEGKYQ PLDQVVVDDK FPDCTLLRF PELEKSLRHV TEEKEVNSKK YYKYSTKTL KWLEKKNQNT VAALKANHVN VGARVQSSAY FSGVQVSRDK EEDYVRYAHG LISDYIPKEL SDDLKLLKL PEPPASLPNP PAKKLLADE PVEAKEDYTK FNTKDLKNGK KNSKMTAAQK ALAKVDKSGM KSIDAFFGAK NKKTGKI
<b>Source</b>	E.coli
<b>Target Names</b>	Rnaseh2b
<b>Protein Names</b>	Recommended name: Ribonuclease H2 subunit B Short name= RNase H2 subunit B Alternative name(s): Ribonuclease HI subunit B
<b>Expression Region</b>	2-307
<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>	RNase H2 is composed of a single catalytic subunit (A) and two non-catalytic subunits (B and C) and specifically degrades the RNA of RNA:DNA hybrids. This protein is the non-catalytic B subunit of RNase H2, which is thought to play a role in DNA replication. Multiple transcript variants encoding different isoforms have been found for this gene. Defects in this gene are a cause of Aicardi-Goutieres syndrome type 2 (AGS2).
<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.

### Shelf Life

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.