



# Recombinant Rat Nucleolar RNA helicase 2 (Ddx21)

<b>Product Code</b>	CSB-MP662877RA
<b>Abbreviation</b>	Ddx21
<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>	Q3B8Q1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MPGKLRSASK SESEGTEESM ETLQKPSEKK TRKEKPKSKT DEATEGVEEA ASSKVKAVKK KGPSDDVGP PKSKKAKKQE EEPQDDPASK SKTSKSKKKEP LEKKAPSAKT KEMKAEPPSE EEADAPKPKK TKGKKEANGD VGEKSPGLKN GLSHPKPDSS STQAPGEESE TEKEIPVEQK EGAFSNFPIS EETVKLLKAR GVNFLFPIQA KTFHHVYSGK DLIAQARTGT GKTF SFAIPL IEKLQGG LQE RKRGRAPQVL VLAPTRELAN QVSKDFSDIT KKLSVACFYG GTPYGGQIER MRSGIDILVG TPGRIKDHLQ NGKLDLTKLK HVVLDEVDQM LDMGFADQVE EILCVAYKKD SEDNPQTLLF SATCPHWVFN VAKKYMKSTY EQVDLIGKKT QKAAITVEHL AIKCHWTERA AVIGDVIRVY SGHQGRTIIF CETKKDAQEL SQNTCIKQDA QSLHGDIPQK QREITLKGFR NGNFGVLVAT NVAARGLDIP EVDLVVQSCP PKDVESYIHR SGRTGRAGRT GVCICFYQHK EEYQLAQVEQ KAGIKFKRIG VPSATEIIKA SSKDAIRLLD SVPPTAIGHF KQSAEKLIEE KGAVEALAAA LAHISGATSV DQRSLINSQA GFVTMILRCS VEMPNISYAW KELKEQLGES IDAKVKGMVF LKGKLGVCFD VRTEAVTEIK EKWHDSRRWQ LTVATEQPEL EGPPEGYRGG RGQRDGSRGS FRGQRGGSRN FRGQGQRGGS RNFRGQRPGG GNKSNRSPNK GQKRSFSKAF GQ
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Ddx21
<b>Protein Names</b>	Recommended name: Nucleolar RNA helicase 2 EC= 3.6.4.13 Alternative name(s): DEAD box protein 21 Gu-alpha Nucleolar RNA helicase Gu Nucleolar RNA helicase II RH II/Gu
<b>Expression Region</b>	1-782
<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 protein
<b>Target Details</b>	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp



(DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which is an antigen recognized by autoimmune antibodies from a patient with watermelon stomach disease. This protein unwinds double-stranded RNA, folds single-stranded RNA, and may play important roles in ribosomal RNA biogenesis, RNA editing, RNA transport, and general transcription.

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**Reconstitution**

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.

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**Shelf Life**

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