Recombinant Human Nucleolar RNA helicase 2 (DDX21)

Product Code	CSB-EP882081HU-B
Abbreviation	DDX21
Storage	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.
Uniprot No.	Q9NR30
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MPGKLRSDAG LESDTAMKKG ETLRKQTEEK EKKEKPKSDK TEEIAEEEET VFPKAKQVKK KAEPSEVDMN SPKSKKAKKK EEPSQNDISP KTKSLRKKKE PIEKKVVSSK TKKVTKNEEP SEEEIDAPKP KKMKKEKEMN GETREKSPKL KNGFPHPEPD CNPSEAASEE SNSEIEQEIP VEQKEGAFSN FPISEETIKL LKGRGVTFLF PIQAKTFHHV YSGKDLIAQA RTGTGKTFSF AIPLIEKLHG ELQDRKRGRA PQVLVLAPTR ELANQVSKDF SDITKKLSVA CFYGGTPYGG QFERMRNGID ILVGTPGRIK DHIQNGKLDL TKLKHVVLDE VDQMLDMGFA DQVEEILSVA YKKDSEDNPQ TLLFSATCPH WVFNVAKKYM KSTYEQVDLI GKKTQKTAIT VEHLAIKCHW TQRAAVIGDV IRVYSGHQGR TIIFCETKKE AQELSQNSAI KQDAQSLHGD IPQKQREITL KGFRNGSFGV LVATNVAARG LDIPEVDLVI QSSPPKDVES YIHRSGRTGR AGRTGVCICF YQHKEEYQLV QVEQKAGIKF KRIGVPSATE IIKASSKDAI RLLDSVPPTA ISHFKQSAEK LIEEKGAVEA LAAALAHISG ATSVDQRSLI NSNVGFVTMI LQCSIEMPNI SYAWKELKEQ LGEEIDSKVK GMVFLKGKLG VCFDVPTASV TEIQEKWHDS RRWQLSVATE QPELEGPREG YGGFRGQREG SRGFRGQRDG NRRFRGQREG SRGPRGQRSG GGNKSNRSQN KGQKRSFSKA FGQ
Source	E.coli
Target Names	DDX21
Protein Names	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
Expression Region	1-783
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
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.
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.