Recombinant Human DDX21, GST-tagged

Cat. No. DDX21-11895H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX21 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-180a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

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GENE INFORMATION

Gene Name	DDX21 DEAD (Asp-Glu-Ala-Asp) box helicase 21 [Homo sapiens]
Official Symbol	DDX21
Synonyms	DDX21; DEAD (Asp-Glu-Ala-Asp) box helicase 21; DEAD (Asp Glu Ala Asp) box polypeptide 21 , DEAD/H (Asp Glu Ala Asp/His) box polypeptide 21; nucleolar RNA helicase 2; GURDB; RH II/GU; RH II/Gu; gu-alpha; Gu protein; DEAD box protein 21; RNA helicase II/Gu alpha; nucleolar RNA helicase Gu; nucleolar RNA helicase II; DEAD (Asp-Glu-Ala-Asp) box polypeptide 21; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21; GUA; RH-II/GU; RH-II/GuA; DKFZp686F21172;
Gene ID	9188
mRNA Refseq	NM_001256910
Protein Refseq	NP_001243839
MIM	606357
UniProt ID	Q9NR30
Chromosome Location	10q21
Function	ATP binding; ATP-dependent RNA helicase activity; RNA binding; helicase activity; hydrolase activity; nucleotide binding;

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