

Recombinant Full Length Human DDX21 Protein, GST-tagged

Cat. No. DDX21-2561HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDX21 full-length ORF (NP_004719.2, 1 a.a. - 783 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	783 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	113.7 kDa
AA Sequence	MPGKLRS DAGLES DTAMKKGETLRKQTEEEKKKPKSDKTEEIAEEEEETVFPKAK QVKKKAEPSEVDMNSPKSKKAKKKKEEPSQNDISPKTKSLRKKKEPIEKKVSSSKTKK

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VTKNEEPSEEEIDAPKPKMKKEKEMNGETREKSPKLKNGFPHPEPDCNPSEAASE
 ESNSEIEQEIPVEQKEGAFSNFPISEETIKLLKGRGVTFLEPIQAKTFHHVYSGKDLIAQ
 ARTGTGKTFSAIPLIEKLHGELQDRKRGRAPQVLVLAPTRELANQVSKDFSDITKKL
 SVACFYGGTPYGGQFERMRNGIDILVGTPGRIKDHQNGKLDLTKLKHVVLDDEVQDM
 LDMGFADQVEEILSVAYKKDSEDNPQTLLFSATCPHWVFNVAKKYMKSTYEQVDLIG
 KKTQKTAITVEHLAIKCHWTQRAAVIGDVIRVYSGHQGRTIIFCETKKEAQELSQNSAI
 KQDAQSLHGDIPQKQREITLKGFNRNGSFGVLVATNVAARGLDIPEVDLVIQSSPPKD
 VESYIHRSGRTGRAGRTGVCICFYQHKEEYQLVQVEQKAGIKFKRIGVPSATEIIKAS
 SKDAIRLLDSVPPTAISHFKQSAEKLIEEKGAVEALAAALAHISGATSVDQRSLINSNV
 GFVTMILQCSIEMPNISYAWKELKEQLGEEIDSKVKGMVFLKGKLGVCDFVPTASVT
 EIQEKWHDSRRWQLSVATEQPELEGPREGYGGFRGQREGSRGFRGQRDGNRRF
 RGQREGSRGPRGQRSGGGNKSNNRSQNGKQKRSFSKAFGQ

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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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