

Recombinant Full Length Human DDX21 Protein, C-Flag-tagged

Cat. No. DDX21-1615HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DDX21 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	87.2 kDa
AA Sequence	MPGKLRS DAGLES DTAMKKGETLRKQTEEEKKKPKSDKTEEIAEEEEETVFPKAK QVKKKAEPSEVDMN SPKSKKAKKKKEEPSQNDISP KTKSLRKKKKEPIEKKVVSSKTKK

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VTKNEEPSEEEIDAPKPKMKKEKEMN GETREKSPKLKNGFPHPEDCNPSEAASE
 ESNSEIEQEIPVEQKEGAFSNFPISEETIKLLKGRGVTF LF PIQAKTFHHVYSGKDLIA
 QARTGTGKTF SFAIPLIEKLHGELQDRKRGRAPQVLVLAPTRELANQVSKDF SDITK
 KLSVACFYGGTPYGGQFERMRNGIDILVGTPGRIKDHIQNGKLDLTKLKHVVLDEVD
 QMLDMGFA DQVEEILSVAYKKDSEDNPQTLLFSATCPHWVFNVAKKYMKSTYEQV
 DLIGKKTQKTAITVEHLAIKCHW TQRAAVIGDVIRVYSGHQGRTIIFCETKKEAQELSQ
 NSAIKQDAQSLHGDIPQKQREITLKGFRNGSFGV LVATNVAARGLDIPEVDLVIQSSP
 PKDVESYIHRSGRTGRAGRTGVCICFYQHKEEYQLVQVEQKAGIKF KRIGVPSATEII
 KASSKDAIRLLDSVPPTAISHFKQSAEKLIEEKGAVEALAAALAHISGATSVDQRS LI N
 SNVGFVTMILQCSIEMPNI SYAWKELKEQLGEEIDSKVKGMVFLKGKLGVCFDVPTA
 SVTEIQEKWHDS RRWQLSVATEQPELEGPREGYGGFRGQREGSRGFRGQRDGN
 RRFRGQREGSRGPRGQRSGGGNKSNSRQN
 KGQKRSFSKAFGQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

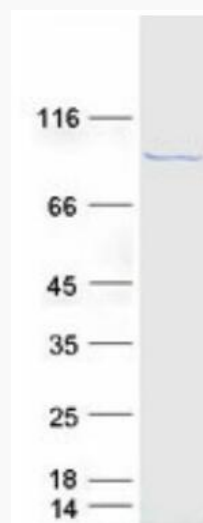
Gene Name **DDX21 DExD-box helicase 21 [Homo sapiens (human)]**

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Official Symbol	DDX21
Synonyms	RH; GUA; GURDB; II/Gu; RH II/Gu; RH-II/GU; gu-alpha; RH-II/GuA
Gene ID	9188
mRNA Refseq	NM_004728.4
Protein Refseq	NP_004719.2
MIM	606357
UniProt ID	Q9NR30



Coomassie blue staining of purified DDX21 protein.