

Product datasheet for **TP300917M**

DDX21 (NM_004728) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DEAD (Asp-Glu-Ala-Asp) box polypeptide 21 (DDX21), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200917 protein sequence Red =Cloning site Green =Tags(s)

MPGKLRS DAGLES DTAMKKGETLRKQTEEEKKEKPKSDKTEEIAEEEEETVFPKAKQVKKKAEPSEVDMN
SPKSKKAKKKEEPSQNDISPKTKSLRKKKEPIEKVVSSKTKKVTKNEEPSEEEIDAPKPKMKKEKEMN
GETREKSPKLKNGFPHPEPDCNPSEAAASEESNSEIEQEIPVEQKEGAFSNFPISEETIKLLKGRGVTFLF
PIQAKTFHHVYSGKDLIAQARTGTGKTFSFAIPLIEKLHGELQDRKRGRAPQVLVLAPTRELANQVSKDF
SDITKKLSVACFYGGTPYGGQFERMRNGIDILVGTGPRIKDHIQNGKLDLTKLKHVVLDEVDQMLDMGFA
DQVEEILSVAYKKDSEDNPTLLFSATCPHWWFNVAKKYMKSTYEQVDLIGKKTQKTAITVEHLAIKCHW
TQRAAVIGDVIRVYSGHQGRITIFCETKKEAQELSQNSAIKQDAQSLHGDIPQKQREITLKGFRNGSFGV
LVATNVAARGLDIPEVDLVIQSSPKDVESYIHRSGRTGRAGRTGVCICFYQHKEEYQLVQVEQKAGIKF
KRIGVPSATEI IKASSKDAIRLLDSVPPTAISHFKQSAEK LIEKGAVEALAAALAHISGATSVDQ RSLI
NSNVGFVTMILQCSIEMPNISYAWKELKEQLGEEIDSKVKGMVFLKGKLGVCFDVPTASVTEIQEKWHDS
RRWQLSVATEQPELEGPREGYGGFRGQREGSRGFRGQRDGNRRFRGQREGSRGPRGQRSGGGNKS NRS
QN
KGQKRSFSKAFGQ

TRTRPLE**QKLISEEDLA**ANDILDYK**DDDDKV**

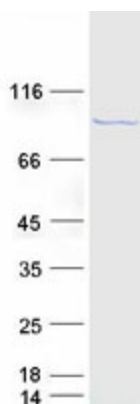
Tag:	C-Myc/DDK
Predicted MW:	87.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004719
Locus ID:	9188
UniProt ID:	Q9NR30
RefSeq Size:	4720
Cytogenetics:	10q22.1
RefSeq ORF:	2349
Synonyms:	GUA; GURDB; RH-II/GU; RH-II/GuA
Summary:	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]

Product images:



Coomassie blue staining of purified DDX21 protein (Cat# [TP300917]). The protein was produced from HEK293T cells transfected with DDX21 cDNA clone (Cat# [RC200917]) using MegaTran 2.0 (Cat# [TT210002]).