

Product datasheet for PH300917

DDX21 (NM_004728) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DDX21 MS Standard C13 and N15-labeled recombinant protein (NP_004719)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200917
Predicted MW:	87.3 kDa
Protein Sequence:	>RC200917 protein sequence Red =Cloning site Green =Tags(s)

MPGKLRS DAGLES DTA M K K G E T L R K Q T E E K E K E K P K S D K T E E I A E E E E T V F P K A K Q V K K K A E P S E V D M N
 S P K S K K A K K K E E P S Q N D I S P K T K S L R K K K E P I E K K V V S S K T K K V T K N E E P S E E E I D A P K P K M K K E K E M N
 G E T R E K S P K L K N G F P H P E P D C N P S E A A S E E S N S E I E Q E I P V E Q K E G A F S N F P I S E E T I K L L K G R G V T F L F
 P I Q A K T F H H V Y S G K D L I A Q A R T G T G K T F S F A I P L I E K L H G E L Q D R K R G R A P Q V L V L A P T R E L A N Q V S K D F
 S D I T K K L S V A C F Y G G T P Y G G Q F E R M R N G I D I L V G T P G R I K D H I Q N G K L D L T K L K H V V L D E V D Q M L D M G F A
 D Q V E E I L S V A Y K K D S E D N P Q T L L F S A T C P H W F N V A K K Y M K S T Y E Q V D L I G K K T Q K T A I T V E H L A I K C H W
 T Q R A A V I G D V I R V Y S G H Q G R T I I F C E T K K E A Q E L S Q N S A I K Q D A Q S L H G D I P Q K Q R E I T L K G F R N G S F G V
 L V A T N V A A R G L D I P E V D L V I Q S S P P K D V E S Y I H R S G R T G R A G R T G V C I C F Y Q H K E E Y Q L V Q V E Q K A G I K F
 K R I G V P S A T E I I K A S S K D A I R L L D S V P P T A I S H F K Q S A E K L I E E K G A V E A L A A A L A H I S G A T S V D Q R S L I
 N S N V G F V T M I L Q C S I E M P N I S Y A W K E L K E Q L G E E I D S K V K G M V F L K G K L G V C F D V P T A S V T E I Q E K W H D S
 R R W Q L S V A T E Q P E L E G P R E G Y G G F R G Q R E G S R G F R G Q R D G N R R F R G Q R E G S R G P R G Q R S G G G N K S N R S Q N
 K G Q K R S F S K A F G Q

TRTRPLEQKLISEEDLANDILDYKDDDDKV

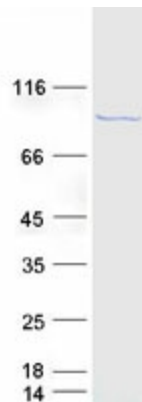
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004719


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RefSeq Size:	4720
RefSeq ORF:	2349
Synonyms:	GUA; GURDB; RH-II/GU; RH-II/GuA
Locus ID:	9188
UniProt ID:	Q9NR30
Cytogenetics:	10q22.1

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]).