

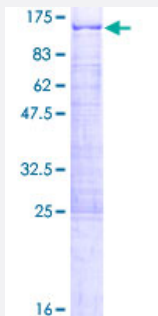
Full-Length

DDX21 (Human) Recombinant Protein (P01)

Catalog # H00009188-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human DDX21 full-length ORF (NP_004719.2, 1 a.a. - 783 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPGKLRS DAGLES DTAMKKGETLRKQTEEEKKKPKSDKTEEIAEEEEETVFPKAKQVKKKAEP
SEVDMNSPKSKKAKKKKEEPSQNDISP KTKSLRKKKEPIEKKVSSKTKKVTKNEEPSEEEIDAPK
PKKMKKEKEMNGETREKSPKLKNGFPHPEPDCNPSEAASEESNSEIEQEIPVEQKEGAFSNFPI
SEETIKLLKGRGVTLFPIQAKTFHHVYSGKDLIAQARTGTGKTFSAIPLIEKLHGELQDRKRGRAP
QVLVLAPTRELANQVSKDFS DITKKLSVACFYGGTPYGGQFERMRNGIDILVGTPGRIKDHIQNGKL
DLTKLKHVVLDEVDQMLDMGFADQVEEILSVAYKKDSEDNPQTLLFSATCPHWVFNVAKKYMK
TYEQVDLIGKKTQKTAITVEHLAIKCHWTQRAAVIGDVIRVYSGHQGRTIIFCETKKEAQELSQNSAIK
QDAQSLHGDIPQKQREITLKGFRNGSFGVLVATNVAARGLDIPVDLVIQSSPPKDVESYIHRSGR
TGRAGRTGVCICFYQHKEEYQLVQVEQKAGIKFKRIGVPSATEIKASSKDAIRLLDSVPPTAISHFK
QSAEKLIEEKGAVEALAAALAHISGATSVDQRLINSNVGFVTMLQCSIEMPNISYAWKELKEQLG
EEIDSKVKGMVFLKGKLGVCFDVPTASVTEIQEKWHDSRRWQLSVATEQPELEGPREGYGGFR
GQREGSRGFRGQRDGNRRFRGQREGSRGPRGQRSGGNGKSNRSQNKGGKRSFSKAFGQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

113.7

Interspecies Antigen Sequence

Mouse (76); Rat (84)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DDX21

Entrez GeneID	9188
GeneBank Accession#	NM_004728.2
Protein Accession#	NP_004719.2
Gene Name	DDX21
Gene Alias	DKFZp686F21172, GUA, GURDB, RH-II/GU, RH-II/GuA
Gene Description	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21
Omim ID	606357
Gene Ontology	Hyperlink

Gene 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]

Other Designations

DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21|Gu protein|OTTHUMP00000019713|RNA helicase II|Gu alpha

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)