

Recombinant Human DDX56 protein, GST-tagged

Cat. No. DDX56-276H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX56(1 a.a. - 783 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-783 a.a.
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	113.7 kDa
AA Sequence	MPGKLRSDAGLESdTAMKKGETLRKQTEEEKKKEKPKSDKTEEIAEEEEETVFPKAK

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QVKKKAEPSEVDMNSPKSK KAKKKEEPSQNDISPCTKSLRKKKEPIEKVVSSKTKK
 VTKNEEPSEEEIDAPKPKMKKEKEMNGETREKSPKL KNGFPHPEPDCNPSEAASE
 ESNSEIEQEIPVEQKEGAFSNFPISEETIKLLKGRGVTFLLFPIQAKTFHHVYSGKD LIA
 QARTGTGKTFSAIPLIEKLHGELQDRKRGRAPQVLLVAPTRELANQVSKDFSDITKK
 LSVACFYGGTPYGG QFERMRNGIDILVGTPGRIKDHIQNGKLDLTKLKHVVLDVDDQ
 MLDMGFADQVEEILSVAYKKDSEDNPQTLLFS ATCPHWVFNVAKKYMKSTYEQVD
 LIGKKTQKTAITVEHLAIKCHWTQRAAVIGDVIRVYSGHQGRTIIFCETKKE AQELSQN
 SAIKQDAQSLHGDIPQKQREITLKGFRNGSFGVLVATNVAARGLDIPEVDLVIQSSPP
 KDVESYIHRS GRTGRAGRTGVCICFYQHKEEYQLVQVEQKAGIKFKRIGVPSATEIIK
 ASSKDAIRLLDSVPPTAISHFKQSAEK LIEEKGAVALAAALAHISGATSVDRSLINS
 NVGFVTMILQCSIEMPNISYAWKELKEQLGEEIDSKVKGMVFL KGKLGVCFDVPTAS
 VTEIQEKWHDSRRWQLSVATEQPELEGPREGYGGFRGQREGSRGFRGQRDGNR
 RFRGQREG SRGPRGQRSGGGNKSNRSQNKGGKRSFSKAFGQ

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.

GENE INFORMATION

Gene Name

DDX56 DEAD (Asp-Glu-Ala-Asp) box helicase 56 [Homo sapiens]

Official Symbol

DDX56

Synonyms

DDX56; DEAD (Asp-Glu-Ala-Asp) box helicase 56; DEAD (Asp Glu Ala Asp) box polypeptide 56; probable ATP-dependent RNA helicase DDX56; NOH61; nucleolar helicase of 61 kDa; DEAD box protein 21; DEAD box protein 56; DEAD-box RNA

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helicase; 61-kd nucleolar helicase; putative nucleolar RNA helicase; DEAD (Asp-Glu-Ala-Asp) box polypeptide 56; ATP-dependent 61 kDa nucleolar RNA helicase; DDX21; DDX26;

Gene ID [54606](#)

mRNA Refseq [NM_001257189](#)

Protein Refseq [NP_001244118](#)

MIM [608023](#)

UniProt ID [Q9NY93](#)

Chromosome Location 7p13

Function ATP binding; ATP-dependent RNA helicase activity; RNA binding; helicase activity; hydrolase activity; nucleotide binding;

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