

Recombinant Full Length Human DDX41 Protein, GST-tagged

Cat. No. DDX41-2589HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDX41 full-length ORF (NP_057306.2, 1 a.a. - 622 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	622 amino acids
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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene is a member of the DEAD box protein family and interacts with several spliceosomal proteins. In addition, the encoded protein may recognize the bacterial second messengers cyclic di-GMP and cyclic di-AMP, resulting in the induction of genes involved in the innate immune response. [provided by RefSeq, Jan 2017]
Molecular Mass	96.2 kDa
AA Sequence	MEESEPERKRARTDEVPAGGSRSEAEDDEDYVPYVPLRQRRQLLLQKLLQRRR KGAAEEEEQQDSGSEPRGDEDDIPLGPQSNVSLLDQHQLKEKAEARKESAKEKQL

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KEEEKILESVAEGRALMSVKEMAKGITYDDPIKTSWTPPRYVLSMSEERHERVRKKY
HILVEGDGIPPIKSFKEMKFPAAILRGLKKKGIIHPTPIQIQGIPTILSGRDMIGIAFTG
SGKTLVFTLPVIMFCLEQEKRLPFSKREGPYGLIICPSRELARQTHGILEYYCRLLQED
SSPLLRCALCIGGMSVKEQMETIRHGVHMMVATPGRMLDLLQKKMVSLDICRYLAL
DEADRMIDMGFEGDIRTIFSYFKGQRQTLLFSATMPKKIQNFAKSALVKPVTINVGRA
GAASLDVIQEVEYVKEEAKMVYLLECLQKTPPPVLIFAEEKADVDIAIHEYLLKGV
VAIHGGKDQEERTKAIEAFREGKKDVLVATDVASKGLDFPAIQHVINYDMPEEENYV
HRIGRTGRSGNTGIATTFINKACDESVMDLKALLLEAKQKVPVQLVLCGDESML
DIGGERGCAFCGGLGHRITDCPKLEAMQTKQVSNIGRKDYLAHSSMDF

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.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DDX41 DEAD (Asp-Glu-Ala-Asp) box polypeptide 41 [Homo sapiens]

Official Symbol

DDX41

Synonyms

DDX41; DEAD (Asp-Glu-Ala-Asp) box polypeptide 41; probable ATP-dependent RNA helicase DDX41; ABS; MGC8828; 2900024F02Rik; DEAD box protein 41; putative RNA helicase; DEAD-box protein abstrakt; DEAD box protein abstrakt homolog;

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Gene ID	51428
mRNA Refseq	NM_016222
Protein Refseq	NP_057306
MIM	608170
UniProt ID	Q9UJV9

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