

Recombinant Human DDX46, GST-tagged

Cat. No. DDX46-11906H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX46 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	682-1031a.a.
Description	This gene encodes a member of the DEAD box protein family. 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. The protein encoded by this gene is a component of the 17S U2 snRNP complex; it plays an important role in pre-mRNA splicing.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	DDX46 DEAD (Asp-Glu-Ala-Asp) box polypeptide 46 [Homo sapiens]
Official Symbol	DDX46
Synonyms	DDX46; DEAD (Asp-Glu-Ala-Asp) box polypeptide 46; probable ATP-dependent RNA helicase DDX46; FLJ25329; KIAA0801; Prp5; PRPF5; PRP5 homolog; RNA helicase; DEAD box protein 46; Prp5-like DEAD-box protein; MGC9936;
Gene ID	9879
mRNA Refseq	NM_014829
Protein Refseq	NP_055644
UniProt ID	Q7L014
Chromosome Location	5q31.1
Pathway	Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem;
Function	ATP binding; ATP-dependent helicase activity; RNA binding; helicase activity; hydrolase activity; nucleotide binding;

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