

Recombinant Human DDX47, His-tagged

Cat. No. DDX47-11907H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX47 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	202-455a.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 can shuttle between the nucleus and the cytoplasm, and has an RNA-independent ATPase activity. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
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 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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GENE INFORMATION

Gene Name	DDX47 DEAD (Asp-Glu-Ala-Asp) box polypeptide 47 [Homo sapiens]
Official Symbol	DDX47
Synonyms	DDX47; DEAD (Asp-Glu-Ala-Asp) box polypeptide 47; probable ATP-dependent RNA helicase DDX47; DKFZp564O176; FLJ30012; HQ0256; RRP3; DEAD box protein 47; E4-DEAD box protein; DEAD box polypeptide 47; E4-DBP; MSTP162;
Gene ID	51202
mRNA Refseq	NM_016355
Protein Refseq	NP_057439
UniProt ID	Q9H0S4
Chromosome Location	12p13.2
Function	ATP binding; ATP-dependent helicase activity; RNA binding; helicase activity; hydrolase activity; nucleotide binding; protein binding;

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