

Recombinant Human DDX47 Protein, GST-tagged

Cat. No. DDX47-2493H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDX47 full-length ORF (NP_057439.2, 1 a.a. - 455 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	77 kDa
AA Sequence	MAAPEEHDSPTEASQPIVEEEETKTFKDLGVTDVLC EACDQLGWT KPTKIQIEAIPLA LQGRDIIGLAETGSGKTGAFALPILNALLETPQRLFALVLTPTRELAFQISEQFEALGS SIGVQSAVIVGGIDSMSQSLALAKKPHIIIATPGRLIDHLENTKGFNLRALKYLVMDEAD RILNMDFETEVDKILKVIPDRKTF LFSATMTKKVQKLQRAALKNPVKCAVSSKYQTV

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EKLQYYIFIPSKFKDTYLVYILNELAGNSFMIFCSTCNNTQRTALLRNLGFTAIPLHG
 QMSQSKRLGSLNKFKAARSILLATDVASRGLDIPHVDVVNFDPHTHSKDYIHRVGR
 TARAGRSKAITFVTQYDVELFQRIEHLIGKKLPGFPTQDDEVMMMLTERVAEAQRFA
 RMELREHGEKKKRSREDAGDNDDEGAIGVRNKVAGGKMKKRKGR

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 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

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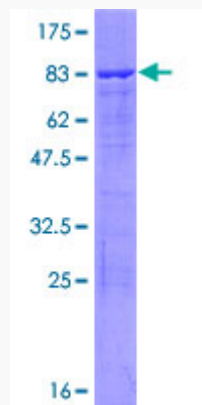
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MIM 615428

UniProt ID Q9H0S4

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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