

Recombinant Full Length Human DDX47 Protein, GST-tagged

Cat. No. DDX47-2609HF **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	In Vitro Cell Free System
ProteinLength	455 amino acids
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	MAAPEEHDSPTEASQPIVEEEETKTFKDLGVTDVLCEACDQLGWTKPTKIQIEAIPLA LQGRDIIGLAETGSGKTGAFALPILNALLETPQRLFALVLTPTRELAFAQISEQFEALGS SIGVQSAVIVGGIDSMSQSLALAKKPHIIIATPGRLIDHLENTKGFNLRLALKYLVMD

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RILNMDFETEVDKILKVIPRDRKTLFSATMTKKVQKLQRAALKNPVKCAVSSKYQTV
 EKLQYYIFIPSKFKDTYLVYILNELAGNSFMIFCSTCNNTQRTALLRNLGFTAIPLHG
 QMSQSKRLGSLNKFKAARSILLATDVASRGLDIPHVVDVVNFDIPTHSKDYIHRVGR
 TARAGRSGKAITFVTQYDVELFQRIEHLIGKKLPGFPTQDDEVMMMLTERVAEAQRFA
 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

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Protein Refseq	NP_057439
MIM	615428
UniProt ID	Q9H0S4

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