



# Human DDX5 blocking peptide (DAG-P1501)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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. This gene encodes a DEAD box protein, which is a RNA-dependent ATPase, and also a proliferation-associated nuclear antigen, specifically reacting with the simian virus 40 tumor antigen. This gene consists of 13 exons, and alternatively spliced transcripts containing several intron sequences have been detected, but no isoforms encoded by these transcripts have been identified. [provided by RefSeq, Jul 2008]
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<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Sequence Similarities</b>	Belongs to the DEAD box helicase family. DDX5/DBP2 subfamily.Contains 1 helicase ATP-binding domain.Contains 1 helicase C-terminal domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DDX5 DEAD (Asp-Glu-Ala-Asp) box helicase 5 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	DDX5

<b>Synonyms</b>	DDX5; DEAD (Asp-Glu-Ala-Asp) box helicase 5; p68; HLR1; G17P1; HUMP68; probable ATP-dependent RNA helicase DDX5; DEAD box-5; RNA helicase p68; DEAD box protein 5; ATP-dependent RNA helicase DDX5; DEAD (Asp-Glu-Ala-Asp) box polypeptide 5; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 5 (RNA helicase, 68kD);
<b>Entrez Gene ID</b>	<a href="#">1655</a>
<b>mRNA Refseq</b>	<a href="#">NM_004396.3</a>
<b>Protein Refseq</b>	<a href="#">NP_004387.1</a>
<b>UniProt ID</b>	P17844
<b>Chromosome Location</b>	17q21
<b>Pathway</b>	Direct p53 effectors, organism-specific biosystem; Proteoglycans in cancer, organism-specific biosystem; Proteoglycans in cancer, conserved biosystem; Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
<b>Function</b>	ATP binding; ATP-dependent RNA helicase activity; RNA helicase activity; RNA helicase activity; androgen receptor binding; calcium-dependent protein binding; calmodulin binding; enzyme binding; estrogen receptor binding; poly(A) RNA binding; pre-mRNA bind