

Recombinant Full Length Human DDX5 Protein, GST-tagged

Cat. No. DDX5-2646HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDX5 full-length ORF (AAH16027.1, 1 a.a. - 614 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	614 amino acids
Description	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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]
Molecular Mass	95.5 kDa
AA Sequence	MSGYSSDRDRGRDRGFGAPRFGGSRAGPLSGKKFGNPGEKLVKKKWNLDLPKF EKNFYQEHPDLARRTAQEVEYRRSKEITVRGHNCPPVLFNFYEANFPANVMDVIA RQNFTEPTAIQAQGWPVALSGLDMVGVAQTGSGKTLSPAILVHINHQPFLERGD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GPICLVLAPTRELAQQVQQVAAEYCRACRLKSTCIYGGAPKGPQIRDLERGVEICIAT
 PGRIDFLECGKTNLRRTTYLVLEADRMMLDMGFEPQIRKIVDQIRPDRQTLMWSAT
 WPKEVRQLAEDFLKDYIHINIGALELSANHNILQIVDVCHDVEKDEKLIRLMEEIMSEK
 ENKTIVFVETKRRCDLTRKMRRDGPAMGIHGDKSQQQERDWVLNEFKHKGKAPILI
 ATDVASRGLDVEDVKFVINYDYPNSSEDIHRIGRRTARSTKTGTAYTFFTPNNIKQVS
 DLISVLREANQAINPKLLQLVEDRGSGRSRGRGGMKDDRRDRYSAGKRGGFNTFR
 DRENYDRGYSSLLKRDFGAKTQNGVYSAANYTNGSFGSNFVSAGIQTSFRTGNPT
 GTYQNGYDSTQQYGSNVPMHNGMNNQQAYAYPATAAAPMIGYPMPTGYSQ

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

DDX5 DEAD (Asp-Glu-Ala-Asp) box helicase 5 [Homo sapiens]

Official Symbol

DDX5

Synonyms

DDX5; DEAD (Asp-Glu-Ala-Asp) box helicase 5; DEAD (Asp Glu Ala Asp) box polypeptide 5 , DEAD/H (Asp Glu Ala Asp/His) box polypeptide 5 (RNA helicase, 68kD) , G17P1, HLR1; probable ATP-dependent RNA helicase DDX5; p68; 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

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polypeptide 5 (RNA helicase, 68kD); HLR1; G17P1; HUMP68; DKFZp434E109;
DKFZp686J01190;

Gene ID 1655

mRNA Refseq NM_004396

Protein Refseq NP_004387

MIM 180630

UniProt ID P17844

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