

Recombinant Human DDX3, GST-tagged

Cat. No. DDX3-11901H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.a.
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 interacts specifically with hepatitis C virus core protein resulting a change in intracellular location. This gene has a homolog located in the nonrecombining region of the Y chromosome. The protein sequence is 91% identical between this gene and the Y-linked homolog. Alternative splicing results in multiple transcript variants.
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 100mM

 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

GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	DDX3X DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked [Homo sapiens]
Official Symbol	DDX3X
Synonyms	DDX3X; DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked; DDX3, DEAD/H (Asp Glu Ala Asp/His) box polypeptide 3; ATP-dependent RNA helicase DDX3X; DBX; DDX14; HLP2; CAP-Rf; DEAD/H box-3; DEAD box, X isoform; helicase like protein 2; helicase-like protein 2; DEAD box protein 3, X-chromosomal; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3; DDX3;
Gene ID	1654
mRNA Refseq	NM_001193416
Protein Refseq	NP_001180345
MIM	300160
UniProt ID	O00571
Chromosome Location	Xp11.3-p11.23
Pathway	RIG-I-like receptor signaling pathway, organism-specific biosystem; RIG-I-like receptor signaling pathway, conserved biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;

 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

Function

ATP binding; ATP-dependent RNA helicase activity; DNA binding; RNA binding; helicase activity; hydrolase activity; nucleotide binding;

 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