

Recombinant Human DDX11, GST-tagged

Cat. No. DDX11-11890H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX11 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	N-term-345a.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 is an enzyme that possesses both ATPase and DNA helicase activities. This gene is a homolog of the yeast CHL1 gene, and may function to maintain chromosome transmission fidelity and genome stability. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
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 GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	DDX11 DEAD/H (Asp-Glu-Ala-Asp/His) box helicase 11 [Homo sapiens]
Official Symbol	DDX11
Synonyms	DDX11; DEAD/H (Asp-Glu-Ala-Asp/His) box helicase 11; DEAD/H (Asp Glu Ala Asp/His) box polypeptide 11 , DEAD/H (Asp Glu Ala Asp/His) box polypeptide 11 (S.cerevisiae CHL1 like helicase); probable ATP-dependent RNA helicase DDX11; CHL1; CHL1 like helicase homolog (S. cerevisiae); CHLR1; ChIR1; KRG2; WABS; KRG-2; hCHLR1; DEAD/H box protein 11; CHL1-related protein 1; CHL1-like helicase homolog; CHL1-related helicase gene-1; keratinocyte growth factor-regulated gene 2 protein; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (CHL1-like helicase homolog, S. cerevisiae); MGC9335; MGC133249;
Gene ID	1663
mRNA Refseq	NM_001257144
Protein Refseq	NP_001244073
MIM	601150
UniProt ID	Q96FC9
Chromosome Location	12p11.21
Pathway	Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Unfolded Protein

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Response, organism-specific biosystem;

Function

ATP binding; ATP-dependent DNA helicase activity; DNA binding; DNA helicase activity; DNA-dependent ATPase activity; RNA binding; helicase activity; hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides; nucleotide binding; pr

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