

Recombinant Human DDX25, GST-tagged

Cat. No. DDX25-11898H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human DDX25 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength C-term-369a.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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a member of this family. The encoded protein is a gonadotropin-regulated and developmentally expressed testicular RNA helicase. It may serve to maintain testicular functions related to steroidogenesis and spermatogenesis.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	DDX25 DEAD (Asp-Glu-Ala-Asp) box helicase 25 [Homo sapiens]
Official Symbol	DDX25
Synonyms	DDX25; DEAD (Asp-Glu-Ala-Asp) box helicase 25; DEAD (Asp Glu Ala Asp) box polypeptide 25 , DEAD/H (Asp Glu Ala Asp/His) box polypeptide 25; ATP-dependent RNA helicase DDX25; gonadotropin regulated testicular RNA helicase; GRTH; DEAD box protein 25; DEAD (Asp-Glu-Ala-Asp) box polypeptide 25; gonadotropin-regulated testicular RNA helicase; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 25;
Gene ID	29118
mRNA Refseq	NM_013264
Protein Refseq	NP_037396
MIM	607663
UniProt ID	Q9UHL0
Chromosome Location	11q24
Function	ATP binding; ATP-dependent RNA helicase activity; ATPase activity; RNA binding; hydrolase activity; nucleotide binding;

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