Recombinant Human DDX10, GST-tagged

Cat. No. DDX10-11889H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX10 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	100-431a.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, and it may be involved in ribosome assembly. Fusion of this gene and the nucleoporin gene, NUP98, by inversion 11 (p15q22) chromosome translocation is found in the patients with de novo or therapy-related myeloid malignancies.
Storage	The protein is stored in PBS buffer at -20℃. 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	DDX10 DEAD (Asp-Glu-Ala-Asp) box polypeptide 10 [Homo sapiens]
Official Symbol	DDX10
Synonyms	DDX10; DEAD (Asp-Glu-Ala-Asp) box polypeptide 10; DEAD/H (Asp Glu Ala Asp/His) box polypeptide 10 (RNA helicase); probable ATP-dependent RNA helicase DDX10; HRH J8; DEAD box-10; DEAD box protein 10; DDX10-NUP98 fusion protein type 2; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 10 (RNA helicase); HRH-J8;
Gene ID	1662
mRNA Refseq	NM_004398
Protein Refseq	NP_004389
MIM	601235
UniProt ID	Q13206
Chromosome Location	11q22-q23
Function	ATP binding; ATP-dependent helicase activity; RNA binding; RNA helicase activity; hydrolase activity; nucleotide binding;

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