

Recombinant Full Length Human DDX10 Protein, GST-tagged

Cat. No. DDX10-2528HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDX10 full-length ORF (NP_004389.2, 1 a.a. - 875 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	875 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, 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. [provided by RefSeq, Jul 2008]
Molecular Mass	127.3 kDa
AA Sequence	MGKTANSPGSGARPDVRSFNRWKKKHSRQNKKKQLRKQLKKPEWQVERESIS RLMQNYEKINVNEITRFSDFPLSKKTLKGLQEAQYRLVTEIQKTIGLALQGKDV LGA AKTGSGKTLAFLVPVLEALYRLQWTSTDGLGVLIISPTRELAYQTFEVLRKVGKNHDF

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SAGLIIGGKDLKHEAERINNINILVCTPGRLLQHMDETVSFHATDLQMLVLDEADRILD
 MGFADTMNAVIENTLPKKRQTLLFSATQTKSVKDLARLSLKNPEYVWVHEKAKYSTPA
 TLEQNYIVCELQQKISVLYSFLRSHLKKKSIVFFSSCKEVQYLYRVFCRLRPGVSILAL
 HGRQQQMRRMEVYNEFVRKRAAVLFATDIAARGLDFAVNWVLQFDCPEDANTYI
 HRAGRTARYKEDGEALLILLPSEKAMVQQLQKKVPVKEIKINPEKLIDVQKKLESILA
 QDQDLKERAQRCFVSYSVYLMKDKEVFDVSKLPIPEYALSLGLAVAPRVRFLQK
 MQKQPTKELVRSQADKVIEPRAPSLTNDEVEEFRAVFNEKMSILQKGGKRLEGTEH
 RQDNDTGNEEQEEEEDEEEMEEKLAKAKGSQAPSLPNTSEAQKIKEVPTQFLDRD
 EEEEDADFLKVKRHNVFGLDLKDEKTLQKKEPSKSSIKKKMTKVAEAKKVMKRNFKV
 NKKITFTDEGELVQQWPQMKSADAEEDDDTGGINLHKAKERLQEEDKFDKEEY
 RKKIKAKHREKRLKEREAREANKRQAKAKDEEEAFLDWSDDDDDDDDGFDPSL
 PDPDKYRSEDSDSEDMENKISDTKKKQGMKKRSNSEVEDVGPTSHNRKKARWDT
 LEPLDTGLSLAEDEELVLHLLRSQS

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	DDX10 DEAD (Asp-Glu-Ala-Asp) box polypeptide 10 [Homo sapiens]
Official Symbol	DDX10

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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