

Recombinant Human DDX10 Protein, GST-tagged

Cat. No. DDX10-2463H **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	Wheat Germ
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 SAGLIIGGKDLKHEAERINNINILVCTPGRLLQHMDETVSFHATDLQMLVLDEADRILD

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MGFADTMNAVIENTLPKKRQTLLFSATQTKSVKDLARLSLKNPEYVWVHEKAKYSTPA
 TLEQNYIVCELQKISVLVSFLRSHLKKKSIVFFSSCKEVQYLYRVFCRLRPGVSILAL
 HGRQQQMRRMEVYNEFVRKRAAVLFATDIAARGLDFAVNWVLQFDCPEDANTYI
 HRAGRTARYKEDGEALLILLPSEKAMVQQLQKKVPVKEIKINPEKLIDVQKKLESILA
 QDQDLKERAQRCFVSYSVYLMKDKEVFDVSKLPIPEYALSLGLAVAPRVRFQK
 MQKQPTKELVRSQADKVIAPRSLTNDEVEEFRAVFNEKMSILQKGGKRLEGTEH
 RQDNDTGNEEQEEEEDEEEMEEKLAKAKGSQAPSLPNTSEAQKIKEVPTQFLDRD
 EEEEDADFLKVKRHNVFGLDLKDEKTLQKKEPSKSSIKKKMTKVAEAKKVMKRNFKV
 NKKITFTDEGELVQQWPQMKSADAEEDDDTGGINLHKAKERLQEEDKFDKEEY
 RKKIKAKHREKRLKEREAREANKRQAKAKDEEEAFLDWSDDDDDDDDGDFPSTL
 PDPDKYRSSESDSDSEDMENKISDTKKKQGMKKRSNSEVEDVGPTSHNRKKARWDT
 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

Synonyms

DDX10; DEAD (Asp-Glu-Ala-Asp) box polypeptide 10; DEAD/H (Asp Glu Ala Asp/His)

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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

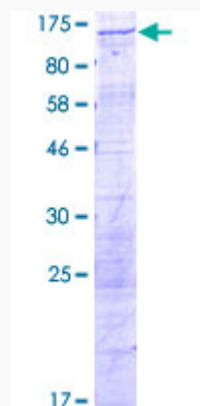
mRNA Refseq NM_004398

Protein Refseq NP_004389

MIM 601235

UniProt ID Q13206

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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