

Recombinant Human DDX50 Protein, MYC/DDK-tagged

Cat. No. DDX50-469H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX50 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	<p>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 DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division.</p> <p>This gene encodes a DEAD box enzyme that may be involved in ribosomal RNA synthesis or processing. This gene and DDX21, also called RH-II/GuA, have similar genomic structures and are in tandem orientation on chromosome 10, suggesting that the two genes arose by gene duplication in evolution. This gene has pseudogenes on chromosomes 2, 3 and 4. Alternative splicing of this gene generates multiple transcript variants, but the full length nature of all the other variants but one has not been defined.</p>
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	82.4 kDa

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Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name DDX50 DEAD (Asp-Glu-Ala-Asp) box polypeptide 50 [Homo sapiens]

Official Symbol DDX50

Synonyms DDX50; DEAD (Asp-Glu-Ala-Asp) box polypeptide 50; ATP-dependent RNA helicase DDX50; GU2; GUB; MGC3199; RH II/GuB; gu-beta; DEAD box protein 50; nucleolar protein GU2; RNA helicase II/Gu beta; RH-II/GuB;

Gene ID 79009

mRNA Refseq NM_024045

Protein Refseq NP_076950

MIM 610373

UniProt ID Q9BQ39

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