

Active Recombinant Human DDX1 Protein, Myc/DDK-tagged

Cat. No. DDX1-4893H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human DEAD (Asp-Glu-Ala-Asp) box polypeptide 1 (DDX1) with a Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
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 of unknown function. It shows high transcription levels in 2 retinoblastoma cell lines and in tissues of neuroectodermal origin.
Bio-activity	Biolayer interferometry (BLI) assay.
Molecular Mass	82.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

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GENE INFORMATION

Gene Name	DDX1 DEAD-box helicase 1 [Homo sapiens (human)]
Official Symbol	DDX1
Synonyms	DDX1; DEAD-box helicase 1; DBP-RB; UKVH5d; ATP-dependent RNA helicase DDX1; DEAD (Asp-Glu-Ala-Asp) box helicase 1; DEAD (Asp-Glu-Ala-Asp) box polypeptide 1; DEAD box polypeptide 1; DEAD box protein 1; DEAD box protein retinoblastoma; DEAD box-1; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1; DEAD/H-box helicase 1; EC 3.6.4.13
Gene ID	1653
mRNA Refseq	NM_004939
Protein Refseq	NP_004930
MIM	601257
UniProt ID	Q92499

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