

Recombinant Human DDX1, His-tagged

Cat. No. DDX1-11888H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.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 of unknown function. It shows high transcription levels in 2 retinoblastoma cell lines and in tissues of neuroectodermal origin.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	DDX1 DEAD (Asp-Glu-Ala-Asp) box helicase 1 [Homo sapiens]
Official Symbol	DDX1
Synonyms	DDX1; DEAD (Asp-Glu-Ala-Asp) box helicase 1; DEAD (Asp Glu Ala Asp) box polypeptide 1 , DEAD/H (Asp Glu Ala Asp/His) box polypeptide 1; ATP-dependent RNA helicase DDX1; DBP RB; DEAD box-1; DEAD box protein 1; DEAD box polypeptide 1; DEAD box protein retinoblastoma; DEAD (Asp-Glu-Ala-Asp) box polypeptide 1; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1; DBP-RB; UKVH5d;
Gene ID	1653
mRNA Refseq	NM_004939
Protein Refseq	NP_004930
MIM	601257
UniProt ID	Q92499
Chromosome Location	2p24
Pathway	mRNA processing, organism-specific biosystem;
Function	ATP binding; ATP-dependent helicase activity; DNA binding; DNA/RNA helicase activity; RNA binding; RNA helicase activity; chromatin binding; exonuclease activity; hydrolase activity; nuclease activity; nucleotide binding; poly(A) RNA binding; protein bind

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