

Recombinant Human DDX1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DDX1-3083H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DDX1 MS Standard C13 and N15-labeled recombinant protein (NP_004930) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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.
Molecular Mass	82.4 kDa
AA Sequence	MAAFSEMGVMPEIAQAVEEMDWLLPTDIQAESIPILGGGDVLMMAETGSGKTGAFS IPVIQIVYETLKDQQEGKKGKTTIKTGASVLNKWQMNPYDRGSAFAIGSDGLCCQSR EVKEWHGCRATKGLMKGKHYEVSCHDQGLCRVGVSTMQASLDLGTDFGFGFG GTGKKSHNKQFDNYGEEFTMHDITIGCYLDIDKGHVKFSKNGKDLGLAFEIPPHMKN QALFPACVLKNAELKFNFGEEEFKFPPKDG FVALSKAPDGYIVKSQHSGNAQVTQTK

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FLPNAPKALIVEPSRELAEQTLNNIKQFKKYIDNPKLRELLIIGGVAARDQLSVLENGV
 DIVVGTPGRLDDLSTGKLNLSQVRFLVLDEADGLLSQGYSDFINRMHNQIPQVTS
 GKRLQVIVCSATLHSFDVKKLSEKIMHFPTWVDLKGEDSVPTVHHVVVPVNPKTDR
 LWERLGKSHIRTDVHAKDNTRPGANSPBMWSEAIKILKGEYAVRAIKEHKMDQAIIF
 CRTKIDCDNLEQYFIQQGGGPDKKGHQFSCVCLHGDRKPKHERKQNLERFKKGDVR
 FLICTDVAARGIDIHGVPIVINVTLTPDEKQNYVHRIGRVGRAERMGLAISLVATEKEKV
 WYHVCSSRGKGCYNTRLKEDGGCTIWYNEMQLLSEIEEHLNCTISQVEPDIKVPVDE
 FDGKVTYGGQKRAAGGGSYKGHVDILAPTQVQELAALEKEAQTSLHLGYLPNQLFRTF
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name DDX1 DEAD-box helicase 1 [Homo sapiens (human)]

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

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polypeptide 1; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1; DBP-RB; UKVH5d;

Gene ID 1653

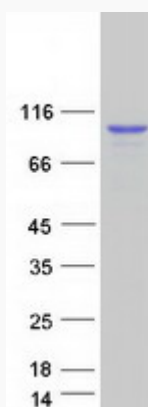
mRNA Refseq NM_004939

Protein Refseq NP_004930

MIM 601257

UniProt ID Q92499

SDS-PAGE



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