

Recombinant Full Length Human DDX1 Protein

Cat. No. DDX1-119HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DDX1 with N-terminal proprietary tag. Predicted MW 107.14kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	740 amino acids
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.
Form	Liquid
Molecular Mass	107.140kDa inclusive of tags
AA Sequence	MAAFSEMGVMPEIAQAVEEMDWLLPTDIQAESIPILGGG DVLMAAETGSGKTGAF SIPVIQIVYETLKDQEQEGKKGKTT IKTGASVLNKWQMNPNPYDRGSAFAIGSDGLCCQS REVKEWH GCRATKGLMKGKHYYEVSCHDQGLCRVGWSTMQASLDLGT DKFGFG

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FGGTGKKSHNKQFDNYGEEFTMHDTIGCYLDIDK GHVKFSKNGKDLGLAFEIPPHM
 KNQALFPACVLKNAELKF NFGEEEFKFPKDG FVALSKAPDGYIVKSQHSGNAQVT
 QT KFLPNAPKALIVEPSRELAEQTLNNIKQFKKYIDNPKLRE LLIIGGVAARDQLSVLE
 NGVDIVVGTPGRLDDLSTGKLN LSQVRFLVLDEADGLLSQGYSDFINRMHNQIPQ
 VTSDGKR LQVIVCSATLHSFDVKKLSEKIMHFPTWVDLKGEDSV PDT VHHVVVPVN
 PKTDRLWERLGKSHIRTDDVHAKDNTRPGAN SPEMWSEAIKILKGEYAVRAIKEHK
 MDQAIIFCRTKIDCD NLEQYFIQQGGGPDKKGHQFSCVCLHGDRK PHERKQNLER
 FKKGDVRFICTDVAARGIDIHGVPYVINVTLPDEKQNYV HRIGRVGRAERMGLAISL
 VATEKEKVWYHVCSSRGKGCYN TRLKEDGGCTIWYNEMQLLSEIEEHLNCTISQVE
 PDIKVP VDEFDGKVTYGGQKRAAGGGSYKGHVDILAPTVQELAALEK EAQTSFLHLG
 YLPNQLFRTF

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name DDX1 DEAD (Asp-Glu-Ala-Asp) box polypeptide 1 [Homo sapiens]

Official Symbol DDX1

Synonyms DDX1; 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

Gene ID 1653

mRNA Refseq NM_004939

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Protein Refseq	NP_004930
MIM	601257
UniProt ID	Q92499

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