

Recombinant Human DDX1 Protein, GST-tagged

Cat. No. DDX1-2461H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDX1 full-length ORF (AAH12132, 1 a.a. - 740 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	107.14 kDa
AA Sequence	MAAFSEMGVMPEIAQAVEEMDWLLPTDIQAESIPILGGGDVLMMAETGSGKTGAFS IPVIQIVYETLKDQQEGKKGKTTIKTGASVLNKWQMNPYDRGSAFAIGSDGLCCQSR EVKEWHGCRATKGLMKGKHYYEVSCHDQGLCRVGWSTMQASLDLGTDFGFGFG GTGKKSHNKQFDNYGEEFTMHDITIGCYLDIDKGHVKFSKNGKDLGLAFEIPPHMKN QALFPACVLKNAELKFNFGEFEFKFPPKDG FVALSKAPDGYIVKSQHSNAQVTQTK

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FLPNAPKALIVEPSRELAEQTLNNIKQFKKYIDNPKLRELLIIGGVAARDQLSVLENGV
 DIVVGTPGRLDDLSTGKLNLSQVRFLVLDEADGLLSQGYSDFINRMHNQIPQVTSD
 GKRLQVIVCSATLHSFDVKKLSEKIMHFPTWVDLKGEDSVPDTHHHVVPVNPKTDR
 LWERLGKSHIRTDVHAKDNTRPGANSPEMWSEAIKILKGEYAVRAIKEHKMDQAIIF
 CRTKIDCDNLEQYFIQGGGPDKKGHQFSCVCLHGDRKPKHERKQNLERFKKGDVR
 FLICTDVAARGIDIHGVYPYVINVTLPDEKQNYVHRIGRVGRAERMGLAISLVATEKEKV
 WYHVCSSRGKGCYNTRLKEDGGCTIWYNEMQLLSEIEEHLNCTISQVEPDIKVPVDE
 FDGKVITYGQKRAAGGGSYKGHVDILAPTVQELAALEKEAQTSLHLGYLPNQLFRTE

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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;

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Gene ID	1653
mRNA Refseq	NM_004939
Protein Refseq	NP_004930
MIM	601257
UniProt ID	Q92499
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.