

Full-Length

DDX1 (Human) Recombinant Protein (P01)

Catalog # H00001653-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DDX1 full-length ORF (AAH12132, 1 a.a. - 740 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAFSEMGVMPEIAQAVEEMDWLLPTDIQAESIPLILGGGDVLMAAETGSGKTGAFSIPVIQIVYET
LKDQQEGKKGKTTIKTGASVLNKWQMNPYDRGSAFAIGSDGLCCQSREVKWHGCRATKGLMK
GKHYYEVSCHDQGLCRVGWSTMQASDLGTDKFGFGGGTGKKSHNKQFDNYGEEFTMHDITIG
CYLDIDKGHVKFSKNGKDLGLAFEIPPHMKNQALFPACVLKNAELKFNGEEEEKFPPKDG FVAL
SKAPDGYVKSQHSQNAQVTQTKFLPNAPKALIVEPSRELAEQTLNNIKQFKKYIDNPKLRELLIIGG
VAARDQLSVLENGVDIVGTPGRLDDLVS TGKLNLSQVRFLVLDEADGLLSQGYSDFINRMHNQI
PQVTS DGKRLQVIVCSATLHSFDVKKLSEKIMHFPTWVDLKGEDSV PDTVHHVVPVNPKTDR L
WERLGKSHIRTD DVHAKDNTRPGANSP EMWSEAIKLG EYAVRAI KEHKMDQAIIFC RTKIDCDNL
EQYFIQQGGGPDKKGHQFSCVCLHGDRK PHERKQNLERF KKGDV RFLICTDVAARGIDIHGV PVI
NVTLPDEKQNYVHRIGRVGRAERMGLAISLVATEKEKVWYHVCSSRGKGCYNTRLKEDGGCTWY
NEMQLLSEIEHLNCTISQVEPDIKVPVDEFD GKV TYGQKRAAGGGSYKGHVDILAPT VQELAALE
KEAQTSLHLGLPNQLFRTF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

107.14

Interspecies Antigen Sequence

Mouse (98); Rat (98)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DDX1

Entrez GeneID	1653
GeneBank Accession#	BC012132
Protein Accession#	AAH12132
Gene Name	DDX1
Gene Alias	DBP-RB, UKVH5d
Gene Description	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1
Omim ID	601257
Gene Ontology	Hyperlink

Gene Summary	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]
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Other Designations

DEAD box polypeptide 1|DEAD box-1|DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1|OTTHU
MP00000115711

Publication Reference

- [DEAD Box Protein DDX1 Regulates Cytoplasmic Localization of KSRP.](#)

Chou CF, Lin WJ, Lin CC, Luber CA, Godbout R, Mann M, Chen CY.

PLoS One 2013 Sep; 8(9):e73752.

Application: Added, Recombinant protein

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)