Recombinant Human ATP-dependent RNA helicase DDX1 (DDX1)

Product Code	CSB-MP856393HU
Abbreviation	DDX1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q92499
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAAFSEMGVM PEIAQAVEEM DWLLPTDIQA ESIPLILGGG DVLMAAETGS GKTGAFSIPV IQIVYETLKD QQEGKKGKTT IKTGASVLNK WQMNPYDRGS AFAIGSDGLC CQSREVKEWH GCRATKGLMK GKHYYEVSCH DQGLCRVGWS TMQASLDLGT DKFGFGFGGT GKKSHNKQFD NYGEEFTMHD TIGCYLDIDK GHVKFSKNGK DLGLAFEIPP HMKNQALFPA CVLKNAELKF NFGEEEFKFP PKDGFVALSK APDGYIVKSQ HSGNAQVTQT KFLPNAPKAL IVEPSRELAE QTLNNIKQFK KYIDNPKLRE LLIIGGVAAR DQLSVLENGV DIVVGTPGRL DDLVSTGKLN LSQVRFLVLD EADGLLSQGY SDFINRMHNQ IPQVTSDGKR LQVIVCSATL HSFDVKKLSE KIMHFPTWVD LKGEDSVPDT VHHVVVPVNP KTDRLWERLG KSHIRTDDVH AKDNTRPGAN SPEMWSEAIK ILKGEYAVRA IKEHKMDQAI IFCRTKIDCD NLEQYFIQQG GGPDKKGHQF SCVCLHGDRK PHERKQNLER FKKGDVRFLI CTDVAARGID IHGVPYVINV TLPDEKQNYV HRIGRVGRAE RMGLAISLVA TEKEKVWYHV CSSRGKGCYN TRLKEDGGCT IWYNEMQLLS EIEEHLNCTI SQVEPDIKVP VDEFDGKVTY GQKRAAGGGS YKGHVDILAP TVQELAALEK EAQTSFLHLG YLPNQLFRTF
Source	Mammalian cell
Target Names	DDX1
Protein Names	Recommended name: ATP-dependent RNA helicase DDX1 EC= 3.6.4.13 Alternative name(s): DEAD box protein 1 DEAD box protein retinoblastoma Short name= DBP-RB
Expression Region	1-740
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.