



Recombinant Human Probable ATP-dependent RNA helicase DDX47 (DDX47)

Product Code	CSB-EP867123HU-B
Abbreviation	DDX47
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.	Q9H0S4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AAPEEHDSP TEASQPIVEE EETKTFKDLG VTDVLCEACD QLGWTKPTKI QIEAIPALQ GRDIIGLAET GSGKTGAFAL PILNALLETP QRLFALVLTP TRELAFQISE QFEALGSSIG VQSAVIVGGI DSMSQSLALA KKPHEIATP GRLIDHLENT KGFNLRALKY LVMDEADRIL NMDFETEVDK ILKVIPRDRK TFLFSATMTK KVQKLQRAAL KNPVKCAVSS KYQTVEKLQQ YYIFIPSKFK DTYLVYILNE LAGNSFMIFC STCNNTQRTA LLLRNLGFTA IPLHGQMSQS KRLGSLNKFK AKARSILLAT DVASRGLDIP HVDVVVNFDI PTHSKDYIHR VGRTARAGRS GKAITFVTQY DVELFQRIEH LIGKKLPGFP TQDDEVMMMLT ERVAEAQRFA RMELREHGEK KKRSREDAGD NDDTEGAIGV RNKVAGGKMK KRKGR
Source	E.coli
Target Names	DDX47
Protein Names	Recommended name: Probable ATP-dependent RNA helicase DDX47 EC=3.6.4.13 Alternative name(s): DEAD box protein 47
Expression Region	2-455
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 of Mature Protein
Target Details	This gene encodes a member of the DEAD box protein family. 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 protein can shuttle between the nucleus and the cytoplasm, and



has an RNA-independent ATPase activity. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

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

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