



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

<b>Product Code</b>	CSB-BP867123HU
<b>Abbreviation</b>	DDX47
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9H0S4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AAPEEHDSP TEASQPIVEE EETKTFKDLG VTDVLCEACD QLGWTKPTKI QIEAIPALQ GRDIIGLAET GSGKTGAFAL PILNALLETP QRLFALVLTP TRELAFQISE QFEALGSSIG VQSAVIVGGI DSMSQSLALA KKPHIIIATP 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
<b>Source</b>	Baculovirus
<b>Target Names</b>	DDX47
<b>Protein Names</b>	Recommended name: Probable ATP-dependent RNA helicase DDX47 EC=3.6.4.13 Alternative name(s): DEAD box protein 47
<b>Expression Region</b>	2-455
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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**

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.