Recombinant Human Probable ATP-dependent RNA helicase DDX4 (DDX4)

Product Code	CSB-BP882074HU
Abbreviation	DDX4
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.	Q9NQI0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MGDEDWEAEI NPHMSSYVPI FEKDRYSGEN GDNFNRTPAS SSEMDDGPSR RDHFMKSGFA SGRNFGNRDA GECNKRDNTS TMGGFGVGKS FGNRGFSNSR FEDGDSSGFW RESSNDCEDN PTRNRGFSKR GGYRDGNNSE ASGPYRRGGR GSFRGCRGGF GLGSPNNDLD PDECMQRTGG LFGSRRPVLS GTGNGDTSQS RSGSGSERGG YKGLNEEVIT GSGKNSWKSE AEGGESSDTQ GPKVTYIPPP PPEDEDSIFA HYQTGINFDK YDTILVEVSG HDAPPAILTF EEANLCQTLN NNIAKAGYTK LTPVQKYSIP IILAGRDLMA CAQTGSGKTA AFLLPILAHM MHDGITASRF KELQEPECII VAPTRELVNQ IYLEARKFSF GTCVRAVVIY GGTQLGHSIR QIVQGCNILC ATPGRLMDII GKEKIGLKQI KYLVLDEADR MLDMGFGPEM KKLISCPGMP SKEQRQTLMF SATFPEEIQR LAAEFLKSNY LFVAVGQVGG ACRDVQQTVL QVGQFSKREK LVEILRNIGD ERTMVFVETK KKADFIATFL CQEKISTTSI HGDREQRERE QALGDFRFGK CPVLVATSVA ARGLDIENVQ HVINFDLPST IDEYVHRIGR TGRCGNTGRA ISFFDLESDN HLAQPLVKVL TDAQQDVPAW LEEIAFSTYI PGFSGSTRGN VFASVDTRKG KSTLNTAGFS SSQAPNPVDD ESWD
Source	Baculovirus
Target Names	DDX4
Protein Names	Recommended name: Probable ATP-dependent RNA helicase DDX4 EC= 3.6.4.13 Alternative name(s): DEAD box protein 4 Vasa homolog
Expression Region	1-724
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, which is a homolog of VASA proteins in Drosophila and several other species. The gene is specifically expressed in the germ cell lineage in both sexes and functions in germ cell development. Multiple transcript variants encoding different 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.