Recombinant Human ATP-dependent RNA helicase DDX3Y (DDX3Y)

Product Code	CSB-EP006622HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O15523
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SHVVVKNDP ELDQQLANLD LNSEKQSGGA STASKGRYIP PHLRNREASK GFHDKDSSGW SCSKDKDAYS SFGSRDSRGK PGYFSERGSG SRGRFDDRGR SDYDGIGNRE RPGFGRFERS GHSRWCDKSV EDDWSKPLPP SERLEQELFS GGNTGINFEK YDDIPVEATG SNCPPHIENF SDIDMGEIIM GNIELTRYTR PTPVQKHAIP IIKGKRDLMA CAQTGSGKTA AFLLPILSQI YTDGPGEALK AVKENGRYGR RKQYPISLVL APTRELAVQI YEEARKFSYR SRVRPCVVYG GADIGQQIRD LERGCHLLVA TPGRLVDMME RGKIGLDFCK YLVLDEADRM LDMGFEPQIR RIVEQDTMPP KGVRHTMMFS ATFPKEIQML ARDFLDEYIF LAVGRVGSTS ENITQKVVWV EDLDKRSFLL DILGATGSDS LTLVFVETKK GADSLEDFLY HEGYACTSIH GDRSQRDREE ALHQFRSGKS PILVATAVAA RGLDISNVRH VINFDLPSDI EEYVHRIGRT GRVGNLGLAT SFFNEKNMNI TKDLLDLLVE AKQEVPSWLE NMAYEHHYKG GSRGRSKSNR FSGGFGARDY RQSSGSSSSG FGASRGSSSR SGGGGYGNSR GFGGGGYGGF YNSDGYGGNY NSQGVDWWGN
Source	E.coli
Target Names	DDX3Y
Protein Names	Recommended name: ATP-dependent RNA helicase DDX3Y EC= 3.6.4.13 Alternative name(s): DEAD box protein 3, Y-chromosomal
Expression Region	2-660
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	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, and it has a homolog on the X chromosome. The gene mutation causes male infertility, Sertoli cell-only syndrome or severe hypospermatogenesis, suggesting that this gene plays a

	key role in the spermatogenic process. Alternatively spliced variants, encoding the same protein, have been identified.
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.