Recombinant Human ATP-dependent DNA helicase Q1 (RECQL)

Product Code	CSB-YP019537HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P46063
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MASVSALTEE LDSITSELHA VEIQIQELTE RQQELIQKKK VLTKKIKQCL EDSDAGASNE YDSSPAAWNK EDFPWSGKVK DILQNVFKLE KFRPLQLETI NVTMAGKEVF LVMPTGGGKS LCYQLPALCS DGFTLVICPL ISLMEDQLMV LKQLGISATM LNASSSKEHV KWVHAEMVNK NSELKLIYVT PEKIAKSKMF MSRLEKAYEA RRFTRIAVDE VHCCSQWGHD FRPDYKALGI LKRQFPNASL IGLTATATNH VLTDAQKILC IEKCFTFTAS FNRPNLYYEV RQKPSNTEDF IEDIVKLING RYKGQSGIIY CFSQKDSEQV TVSLQNLGIH AGAYHANLEP EDKTTVHRKW SANEIQVVVA TVAFGMGIDK PDVRFVIHHS MSKSMENYYQ ESGRAGRDDM KADCILYYGF GDIFRISSMV VMENVGQQKL YEMVSYCQNI SKCRRVLMAQ HFDEVWNSEA CNKMCDNCCK DSAFERKNIT EYCRDLIKIL KQAEELNEKL TPLKLIDSWM GKGAAKLRVA GVVAPTLPRE DLEKIIAHFL IQQYLKEDYS FTAYATISYL KIGPKANLLN NEAHAITMQV TKSTQNSFRA ESSQTCHSEQ GDKKMEEKNS GNFQKKAANM LQQSGSKNTG AKKRKIDDA
Source	Yeast
Target Names	RECQL
Protein Names	Recommended name: ATP-dependent DNA helicase Q1 EC= 3.6.4.12 Alternative name(s): DNA helicase, RecQ-like type 1 Short name= RecQ1 DNA-dependent ATPase Q1 RecQ protein-like 1
Expression Region	1-649
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	This protein is a member of the RecQ DNA helicase family. DNA helicases are enzymes involved in various types of DNA repair, including mismatch repair, nucleotide excision repair and direct repair. Some members of this family are associated with genetic disorders with predisposition to malignancy and chromosomal instability. The biological function of this helicase has not yet been determined. Two alternatively spliced transcripts, which encode the same isoform but differ in their 5 and 3 UTRs, have been described.
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.