



# Recombinant Rat ATP-dependent DNA helicase Q1 (Recq1)

<b>Product Code</b>	CSB-EP715274RA-B
<b>Abbreviation</b>	Recq1
<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>	Q6AYJ1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MASIPALTDE LESVSSSELHA VDIQIQELTE RQHELLQRKS VLTKRIKQCL EDSAAEASGD CDTSPAASK EDSPWSGKVK HVLRDVFKLQ KFRPLQLETV NATMARKDIF LVMPTGGGKS LCYQLPALCS DGFTLVICPL ISLMEDQLMV LQQLGISATM LNSSSSKEHV KCVHTEMMNK NSHLKLIYVT PEKIAKSKMF MSRLEKAYEA GRLTGAVVDE VHCCSQWGHG FRPDYKALGI LKRQFPNISL IGLTATATNH VLKDAQKILC VEKCLTFTAS FNRPNLYYEV RQKPSSAEDF IENIANLING RYKKGSGIY CFSQKDSEQV TISLQKLGVR AGTYHANMEP EDRTKVHTQW SANELQVVVA TVAFGMGIDK PDVRFVIHHS MSKSMENYYQ ESGRAGRDDW RADCILYYGF GDIFRISSMV VMENVGQQKL YEMVSYCQNI SKCRRALIAQ HFDEVWNADA CNKMCDCNCK DDSFEKKNIT EHCQALIKIL KQAEGLNEKL TPLKLIDAWM GKGAAKFRVA GVAVPALPRE DLEKIIVHAL LQQYLKEDYS FTAYATISYL KVGPRASLLS NEGHAVTMQV KRSTQSSVRA ASPEACEVDS KGKEKSSAVL C
<b>Source</b>	E.coli
<b>Target Names</b>	Recq1
<b>Protein Names</b>	Recommended name: ATP-dependent DNA helicase Q1 EC= 3.6.4.12 Alternative name(s): DNA-dependent ATPase Q1 RecQ protein-like 1
<b>Expression Region</b>	1-621
<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 protein
<b>Target Details</b>	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.

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**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.

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**Shelf Life**

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