Recombinant Human Double-strand-break repair protein rad21 homolog (RAD21)

Product Code	CSB-EP019257HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O60216
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MFYAHFVLSK RGPLAKIWLA AHWDKKLTKA HVFECNLESS VESIISPKVK MALRTSGHLL LGVVRIYHRK AKYLLADCNE AFIKIKMAFR PGVVDLPEEN REAAYNAITL PEEFHDFDQP LPDLDDIDVA QQFSLNQSRV EEITMREEVG NISILQENDF GDFGMDDREI MREGSAFEDD DMLVSTTTSN LLLESEQSTS NLNEKINHLE YEDQYKDDNF GEGNDGGILD DKLISNNDGG IFDDPPALSE AGVMLPEQPA HDDMDEDDNV SMGGPDSPDS VDPVEPMPTM TDQTTLVPNE EEAFALEPID ITVKETKAKR KRKLIVDSVK ELDSKTIRAQ LSDYSDIVTT LDLAPPTKKL MMWKETGGVE KLFSLPAQPL WNNRLLKLFT RCLTPLVPED LRKRRKGGEA DNLDEFLKEF ENPEVPREDQ QQQHQQRDVI DEPIIEEPSR LQESVMEASR TNIDESAMPP PPPQGVKRKA GQIDPEPVMP PQQVEQMEIP PVELPPEEPP NICQLIPELE LLPEKEKEKE KEKEDDEEEE DEDASGGDQD QEERRWNKRT QQMLHGLQRA LAKTGAESIS LLELCRNTNR KQAAAKFYSF LVLKKQQAIE LTQEEPYSDI IATPGPRFHI I
Source	E.coli
Target Names	RAD21
Protein Names	Recommended name: Double-strand-break repair protein rad21 homolog Short name= hHR21 Alternative name(s): Nuclear matrix protein 1 Short name= NXP-1 SCC1 homolog
Expression Region	1-631
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 highly similar to the gene product of Schizosaccharomyces pombe rad21, a gene involved in the repair of DNA double-strand breaks, as well as in chromatid cohesion during mitosis. This protein is a nuclear phospho-protein, which becomes hyperphosphorylated in cell cycle M phase. The highly regulated association of this protein with mitotic chromatin specifically at the centromere region suggests its role in sister chromatid cohesion in mitotic cells.
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.