



Recombinant Human Meiotic recombination protein REC8 homolog (REC8)

Product Code	CSB-EP019535HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O95072
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MFYYPNVLQR HTGCFATIWL AATRGSRVVK REYLRVNVVK TCEEILNYVL VRVQPPQPGL PRPRFSLYLS AQLQIGVIRV YSQQCQYLVE DIQHILERLH RAQLQIRIDM ETELPSSLLP NHLAMMETLE DAPDPFFGMM SVDPRLPSPF DIPQIRHLLA AAIPERVEEI PPEVPTPRE PERIPVTVLP PEAITILEAE PIRMLEIEGE RELPEVSRRE LDLLIAEEEE AILLEIPRLP PPAPAEVEGI GEALGPEELR LTGWEPGALL MEVTPPEELR LPAPPSPERR PPVPPPPRRR RRRLLFWDK ETQISPEKFQ EQLQTRAHCW ECPMVQPPER TIRGPAELFR TPTLSGWLPP ELLGLWTHCA QPPPKALRRE LPEEAAAAEEE RRKIEVPSEI EVPREALEPS VPLMVSLEIS LEAAEEEEKSR ISLIPPEERW AWPEVEAPEA PALPVPELP EVMEMPLVL PPELELLSLE AVHRAVALEL QANREPDFSS LVSPSPRRM AARVFYLLLV LSAQQILHVK QEKPYGRLLI QPGPRFH
Source	E.coli
Target Names	REC8
Protein Names	Recommended name: Meiotic recombination protein REC8 homolog Alternative name(s): Cohesin Rec8p
Expression Region	1-547
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 gene encodes a member of the kleisin family of SMC (structural maintenance of chromosome) protein partners. The protein localizes to the axial elements of chromosomes during meiosis in both oocytes and spermatocytes. In the mouse, the homologous protein is a key component of the meiotic cohesion complex, which regulates sister chromatid cohesion and recombination between homologous chromosomes. Multiple alternatively spliced variants, encoding the same protein, 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.