Recombinant Mouse Cell cycle checkpoint control protein RAD9A (Rad9a)

Product Code	CSB-EP896673MO-B
Abbreviation	Rad9a
Storage	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.
Uniprot No.	Q9Z0F6
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MKCLITGGNV KVLGKAVHSL SRIGDELYLE PLKDGLSLRT VNSSRSAYAC FLFAPLFFQQ YQAASPGQDL LRCKILMKAF LSVFRSLAIV EKSVEKCCIS LSGSHSHLVV QLHCKYGVKK THNLSFQDCE SLQAVFDPAS CPHLLRTPAR VLAEAVLSFP LALTEVTLGI GRGRRVILRS YQEEEADSTS KAMVTETSIG DEDFQQLHAP EGIAVTFCLK EFRGLLSFAE SANLPLTIHF DVPGRPVIFT IEDSLLDAHF VLATLLEQDS CSQGPCSPKP HQPVPQKQAH STPHLDDFTS DDIDCYMIAM ETTGGNEGSG AQPSTSLPPV SLASHDLAPT SEEEAEPSTV PGTPPPKKFR SLFFGSILAP VHSPQGPNPV LAEDSDGEG
Source	E.coli
Target Names	Rad9a
Protein Names	Recommended name: Cell cycle checkpoint control protein RAD9A Short name= mRAD9 EC= 3.1.11.2 Alternative name(s): DNA repair exonuclease rad9 homolog A Rad9-like protein
Expression Region	1-389
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 product is highly similar to Schizosaccharomyces pombe rad9, a cell cycle checkpoint protein required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein is found to possess 3 to 5 exonuclease activity, which may contribute to its role in sensing and repairing DNA damage. It forms a checkpoint protein complex with RAD1 and HUS1. This complex is recruited by checkpoint protein RAD17 to the sites of DNA damage, which is thought to be important for triggering the checkpoint-signaling cascade. Use of alternative polyA sites has been noted 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.