Recombinant Mouse Cell cycle checkpoint protein RAD1 (Rad1)

Product Code	CSB-MP868760MO
Abbreviation	Rad1
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.	Q9QWZ1
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MPLLTQYNEE EYEQYCLVAS LDNVRNLSTV LKAIHFREHA TCFATKNGIK VTVENAKCVQ ANAFIQADVF QEFVIQEESV TFRINLTILL DCLSIFGSSP TPGTLTALRM CYQGYGHPLM LFLEEGGVVT VCKITTQEPE ETLDFDFCST NVMNKIILQS EGLREAFSEL DMTGDVLQIT VSPDKPYFRL STFGNAGNSH LDYPKDSDLV EAFHCDKTQV NRYKLSLLKP STKALALSCK VSIRTDNRGF LSLQYMIRNE DGQICFVEYY CCPDEEVPES
Source	Mammalian cell
Target Names	Rad1
Protein Names	Recommended name: Cell cycle checkpoint protein RAD1 Short name= mRAD1 EC= 3.1.11.2 Alternative name(s): DNA repair exonuclease rad1 homolog Rad1-like DNA damage checkpoint protein
Expression Region	1-280
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 component of a heterotrimeric cell cycle checkpoint complex, known as the 9-1-1 complex, that is activated to stop cell cycle progression in response to DNA damage or incomplete DNA replication. The 9-1-1 complex is recruited by RAD17 to affected sites where it may attract specialized DNA polymerases and other DNA repair effectors. Alternatively spliced transcript variants of this gene 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.