Recombinant Mouse Checkpoint protein HUS1 (Hus1)

Product Code	CSB-MP804843MO
Abbreviation	Hus1
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.	Q8BQY8
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MKFRAKIVDL ACLNHFTRVS NMIAKLAKTC TLRISPEKLN FILCDKLASG GVSMWCELEQ ENFFSEFQME GVSEENNEIY LELTSENLSR ALKTAQNSRA LKIKLTNKHF PCLTVSVELV SSSSSSRIVV HDIPIKVLPR RLWKDLQEPS IPDCDVSICL PALKMMKSVV EKMRNISNQL VIEANLKGEL NLKIETELVC VTTHFKDLEN PLLPSDSVSQ NRHPEDMAKV HIDIKKLLQF LAGQQVTPTK AVCNIVNNRT VHFDLLLEDV SLQYFIPALS
Source	Mammalian cell
Target Names	Hus1
Protein Names	Recommended name: Checkpoint protein HUS1 Short name= mHUS1
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 protein is a component of an evolutionarily conserved, genotoxin-activated checkpoint complex that is involved in the cell cycle arrest in response to DNA damage. This protein forms a heterotrimeric complex with checkpoint proteins RAD9 and RAD1. In response to DNA damage, the trimeric complex interacts with another protein complex consisting of checkpoint protein RAD17 and four small subunits of the replication factor C (RFC), which loads the combined complex onto the chromatin. The DNA damage induced chromatin binding has been shown to depend on the activation of the checkpoint kinase ATM, and is thought to be an early checkpoint signaling event.
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.