



# Recombinant Mouse Checkpoint protein HUS1 (Hus1)

<b>Product Code</b>	CSB-BP804843MO
<b>Abbreviation</b>	Hus1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q8BQY8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MKFRKIVDL ACLNHFTRVS NMIAKLAKTC TLRISPEKLN FILCDKLAGS GVSMWCELEQ ENFFSEFQME GVSEENNEIY LELTSENLSR ALKTAQNSRA LKIKLTNKH F PCLTVSVELV SSSSSSRIVV HDIPIKVLPR RLWKDLQEPS IPDCDVSICL PALKMMKSVV EKMRNISNQL VIEANLKGEL NLKIETELVC VTTHFKDLEN PLLPSDSVSQ NRHPEDMAKV HIDIKKLLQF LAGQQVTPTK AVCNIVNNRT VHFDLLLEDV SLQYFIPALS
<b>Source</b>	Baculovirus
<b>Target Names</b>	Hus1
<b>Protein Names</b>	Recommended name: Checkpoint protein HUS1 Short name= mHUS1
<b>Expression Region</b>	1-280
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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

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