



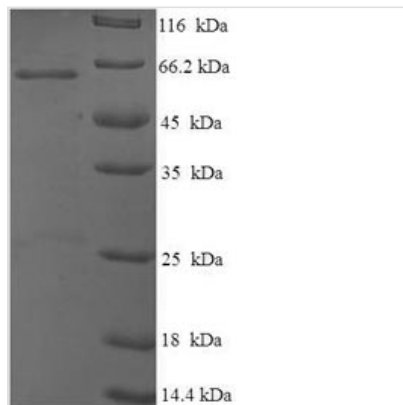
# Recombinant Mouse Cellular tumor antigen p53 (Tp53), partial

<b>Product Code</b>	CSB-EP024077MO
<b>Relevance</b>	Acts as a tumor suppressor in many tumor types; induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. One of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction is mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. In cooperation with mitochondrial PPIF is involved in activating oxidative stress-induced necrosis; the function is largely independent of transcription. Prevents CDK7 kinase activity when associated to CAK complex in response to DNA damage, thus stopping cell cycle progression. Induces the transcription of long intergenic non-coding RNA p21 (lincRNA-p21) and lincRNA-Mkn1. LincRNA-p21 participates in TP53-dependent transcriptional repression leading to apoptosis, but is thought to have no effect on cell-cycle regulation. Regulates the circadian clock by repressing CLOCK-ARNTL/BMAL1-mediated transcriptional activation of PER2.
<b>Abbreviation</b>	Recombinant Mouse Tp53 protein, partial
<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>	P02340
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MEESQSDISLELPLSQETFSGLWKLPPEDILPSPHCMDLLLPQDVVEEFFEGP SEALRVSGAPAAQDPVTETPGPVAPAPATPWPLSSFVPSQKTYQGNYGFHLG FLQSGTAKSVMCTYSPPLNKLFCQLAKTCPVQLWVSATPPAGSRVRAMAIYKK SQHMTEVVRRCPPHHERCSDGDGLAPPQHLIRVEGNLYPEYLEDQRQTFRHSVV VPYEPPEAGSEYTTIHYKYM CNSSCMGGMNRRPILTIITLEDSSGNLLGRDSFE VRVCACPGRDRRTEENFRKKEVLCPELPPGSAKRALPTCTSASPPQKKKPL DGEYFTLKIRGRKRFEMFRELNEALELKDAHATEESGDSRAHSSYLKTKKGQS TSRHKKT MVKKVGPDS
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	Tp53
<b>Expression Region</b>	4-390aa
<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>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	59.2kDa
<b>Protein Length</b>	Partial

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Shelf Life**

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