



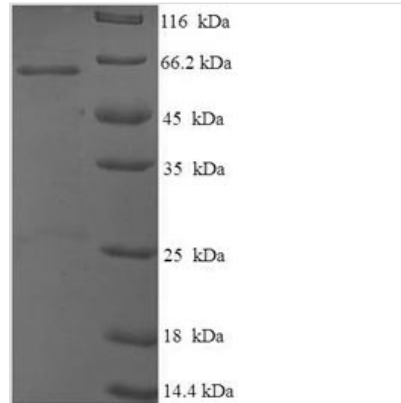
Recombinant Mouse Cellular tumor antigen p53 (Tp53), partial

Product Code	CSB-EP024077MO
Relevance	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.
Abbreviation	Recombinant Mouse Tp53 protein, partial
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.	P02340
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MEESQSDISLELPLSQETFSGLWKLLPPEDILPSPHCMDLLLPQDVVEEFFEGP SEALRVSGAPAAQDPVTETPGPVAPAPATPWPLSSFVPSQKTYQGNYGFLG FLQSGTAKSVMCTYSPPLNKLFCQLAKTCPVQLWVSATPPAGSRVRAMAIYKK SQHMTEVVRRCPPHHERCSDGDGLAPPQHLIRVEGNLYPEYLEDQRQTRHSVV VPYEPPEAGSEYTTIHYKMYMCNSSCMGGMNRRPILTIITLEDSSGNLLGRDSFE VRVCACPGRDRRTEENFRKKEVLCPELPPGSAKRALPTCTSASPPQKKKPL DGEYFTLKIRGRKRFEMFRELNEALELKDAHATEESGDSRAHSSYLKTKKGQS TSRHKKTMOVKKVGPDS
Research Area	Others
Source	E.coli
Target Names	Tp53
Expression Region	4-390aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	59.2kDa
Protein Length	Partial

Image

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

Shelf Life

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