

Cellular tumor antigen p53 (Tp53) Recombinant Protein | Tp53 recombinant protein

Recombinant Mouse Cellular tumor antigen p53 (Tp53)

CATALOG # AAA18501	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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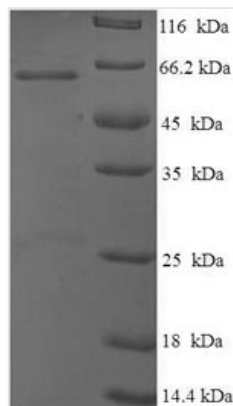
PRODUCT SYNONYMS

Cellular tumor antigen p53 (Tp53); Recombinant Mouse Cellular tumor antigen p53 (Tp53); Tumor suppressor p53; Tp53 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-387aa; Full Length
Sequence	MEESQSDISL ELPLSQETFS GLWKLLPPED ILPSPHCMDD LLLPQDVVEF FEGPSEALRV SGAPAAQDPV TETPGPVAPA PATPWPLSSF VPSQKTYQGN YGFHLGFLQS GTAKSVMCTY SPPLNKLFCQ LAKTCPVQLW VSATPPAGSR VRAMAIYKKS QHMTEVVRRC PHERCSDGD GLAPPQHLIR VEGNLYPEYL EDRQTFRHSV VVPYEPPEAG SEYTTIHYKY MCNSSCMGGM NRRPILTIIT LEDSSGNLLG RDSFEVRVCA CPGRDRRTEE ENFRKKEVLC PELPPGSAKR ALPTCTSASP PQKKKPLDGE YFTLKIRGRK RFEMFRELNE ALELKDAHAT EESGDSRAHS SYLKTKKGQS TSRHKKTMTVK KVGPDSD
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Tp53 recombinant protein	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 ses to be 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-Mkln1. LincRNA-p21 participates in TP53-dependent transcriptional repression leading to apoptosis, but ses to have to effect on cell-cycle regulation. Regulates the circadian clock by repressing CLOCK-ARNTL/BMAL1-mediated transcriptional activation of PER2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187960040
NCBI GeneID	22059
NCBI Accession #	NP_001120705.1
NCBI GenBank Nucleotide #	NM_001127233.1
UniProt Accession #	P02340; Q9QUP3
Molecular Weight	59.2 kDa
NCBI Official Full Name	cellular tumor antigen p53 isoform b
NCBI Official Synonym Full Names	transformation related protein 53
NCBI Official Symbol	Trp53
NCBI Official Synonym Symbols	bbl; bfy; bhy; p44; p53; Tp53
NCBI Protein Information	cellular tumor antigen p53
UniProt Protein Name	Cellular tumor antigen p53
UniProt Gene Name	Tp53
UniProt Synonym Gene Names	P53; Trp53
UniProt Entry Name	P53_MOUSE

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