

Cellular tumor antigen p53 Recombinant Protein | P53 recombinant protein

Recombinant mouse Cellular tumor antigen p53

CATALOG # AAA309748	HOST E Coli	REACTIVITY Mouse
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PRODUCT SYNONYMS

Cellular tumor antigen p53; Recombinant mouse Cellular tumor antigen p53; Tumor suppressor p53; P53 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Mouse
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Tris-based buffer50% glycerol
Sequence Positions	1-387. Sequence Info: Full Length
Sequence	MEESQSDISL ELPLSQETFS GLWKLLPPED ILPSPHCMDD LLLPQDVVEF FEGPSEALRV SGAPAAQDPV TETPGPVAPA PATPWPLSSF VPSQKTYQGN YGFHLGFLQS GTAKSVMCTY SPPLNKLFCQ LAKTCPVQLW VSATPPAGSR VRAMAIYKKS QHMTEVVRRC PHERCSDGD GLAPPQHLIR VEGNLYPEYL EDRQTFRHVS VVPYEPPEAG SEYTTIHYKY MCNSSCMGGM NRRPILTIIT LEDSSGNLLG RDSFEVRVCA CPGRDRRTEE ENFRKKEVLC PELPPGSAKR ALPTCTSASP PQKKKPLDGE YFTLKIRGRK RFEMFRELNE ALELKDAHAT EESGDSRAHS SYLKTKKGQS TSRHKTMVK KVGPDSD
Sequence Length	387
Tag Info	N-terminal 6xHis-SUMO-tagged
Preparation and 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. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for P53 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	59.2kD
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

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tp53-recombinant-protein-e-coli/309748>