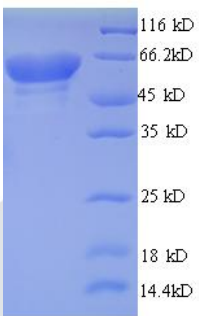




## Recombinant Human Cellular tumor antigen p53 (TP53)

Catalog Number: CSB-YP024077HU

<b>Product Name:</b>	Recombinant Human Cellular tumor antigen p53 (TP53)
<b>Alternative names:</b>	Antigen NY-CO-13
<b>Catalog Number:</b>	CSB-YP024077HU
<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 seems 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. 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 and seem to have to effect on cell-cycle regulation. Implicated in Notch signaling cross-over. Prevents CDK7 kinase activity when associated to CAK complex in response to DNA damage, thus stopping cell cycle progression. Isoform 2 enhances the transactivation activity of isoform 1 from some but not all TP53-inducible promoters. Isoform 4 suppresses transactivation activity and impairs growth suppression mediated by isoform 1. Isoform 7inhibits isoform 1-mediatedapoptosis.
<b>Predicted Mol. Weight:</b>	58KD
<b>Product Info :</b>	His-tagged
<b>Source:</b>	Yeast derived
<b>Images</b>	
<b>Purity:</b>	>90%(SDS-PAGE)
<b>Storage Buffer:</b>	20mM Tris-HCl, 0.5M NaCl, PH 8.0,50% glycerol
<b>Storage :</b>	Store at -20℃, for extended storage, conserve at -20℃ or -80℃.
<b>Notes :</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4℃ for up to one week.
<b>AA sequence:</b>	<p>MEEPQSDPSVEPLSQETFSDLWKLLPENNVLSPLPSQAMDDLMLSPDDIEQWFTEDPGPDEAPRMPEAAP  PVAPAAPAPTAAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAKSVTCTYSPALNKMFCQLAKTCPV  QLWVDSTPPPGTRVRAMAIYKQSQHMTEVVRRCPHHERCSDSDGLAPPQHILIRVEGNLRVEYLDDRNTFRH  SVVVPYEPPEVGSDCCTTIHYNMCMSSCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRCACPRDRRTEE  ENLRKKGEPHHELPPGSTKRALPNNTSSSPQPKKKPLDGEYFTLQIRGRERFEMFRELNEALELKDAQAGKE  PGGSRAHSSHLKSKKGQSTSRHKLMFKTEGPDS</p>
<b>References:</b>	<p>"Human p53 cellular tumor antigen: cDNA sequence and expression in COS cells."  Zakut-Houri R., Bienz-Tadmor B., Givol D., Oren M.  EMBO J. 4:1251-1255(1985)</p>