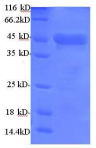


Recombinant human Cellular tumor antigen p53 protein

Catalog Number: CSB-YP024077HU

Product Name:	Recombinant human Cellular tumor antigen p53 protein
Alternative names:	Phosphoprotein p53
Catalog Number:	CSB-YP024077HU
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 seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. 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 7 inhibits isoform 1-mediated apoptosis.
Mol. Weight:	45 kd
Product Info :	His-tagged
Source:	Yeast derived
Image:	
Purity:	>90%(SDS-PAGE)
Storage Buffer:	PBS pH 7.4, 50% glycerol
Storage :	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes :	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
AA sequence:	<pre> EEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPSQAMDDLMLSPDDIEQW FTEDPGPDEAPRMPEAAPPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQG SYGFRLGFLHSGTAKSVTCTYSPALNKMFCQLAKTCPVQLWVDSTPPPGRTRV RAMAIYKQSQHMTEVVRRCPPHHERCSDSDGLAPPQHLIRVEGNLRVEYLDDR NTFRHSVVVPYEPPEVGSDCCTTIHYNMCMSSCMGGMNRRPILTIITLEDSSG NLLGRNSFEVRVCACPGRDRRTEENLRKKGEPHHELPPGSTKRALPNNTSS </pre>

	SPQPKKKPLDGEYFTLQIRGRERFEMFRELNEALELKDAQAGKEPGGSRAHS SHLKSCKGQSTSRHKLMFKTEGPDS
References:	"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)