

Recombinant Human TP53 protein

Cat. No. TP53-185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full-length human wild type p53 (393aa, derived from BC003596) was expressed in E. coli.
Species	Human
Source	E.coli
Form	0.50 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPSQAMDDLMLSPDDIEQWFTE DPGPDEAPRMPEAAPRVAP APAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFR GFLHSGTAKSVTCTYSPALNKMFCQLAKTCPVQLWVDST PPPGTRVRAMAIYKQS QHMTEVVRRCPPHHERCSDSDGLAPPQHILIRVEGNLRVEYLDDRNTFRHSVVVPYE PPEV GSDCTTIHYNMCMSSCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACA GRDRRTEENLRKKGEPHHELP PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQIRG RERFEMFRELNEALELKDAQAGKEPGGSRAHSSHLKSKKGQ STSRHKKLMFKTEG PDSD
Purity	>90% by SDS-PAGE
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

GENE INFORMATION

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Gene Name	TP53 tumor protein p53 [Homo sapiens]
Official Symbol	TP53
Synonyms	TP53; tumor protein p53; cellular tumor antigen p53; LFS1; Li Fraumeni syndrome; p53; antigen NY-CO-13; mutant p53 protein; phosphoprotein p53; p53 tumor suppressor; truncated p53 protein; tumor suppressor TP53; transformation-related protein 53; P53; TRP53; FLJ92943;
Gene ID	7157
mRNA Refseq	NM_000546
Protein Refseq	NP_000537
MIM	191170
UniProt ID	P04637
Chromosome Location	17p13.1
Pathway	Activation of BH3-only proteins, organism-specific biosystem; Activation of NOXA and translocation to mitochondria, organism-specific biosystem; Activation of PUMA and translocation to mitochondria, organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem;
Function	ATP binding; DNA binding; DNA strand annealing activity; MDM2 binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding

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transcription factor activity involved in positive regulation of transcription; RNA
polymerase II transcri

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