

Recombinant Human TP53 Protein, Myc/DDK-tagged

Cat. No. TP53-171H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TP53, transcript variant 1, fused with Myc/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons from identical transcript variants (PMIDs: 12032546, 20937277).
Form	25mM Tris-HCl, pH 7.3, 100mM glycine, and 10% glycerol.
Molecular Mass	43.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

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

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