

Recombinant Human TP53 (Y220C) Protein, Myc/DDK-tagged

Cat. No. TP53-4893H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of human tumor protein P53 (TP53), transcript variant 1, mutant (Y220C), with a C-Myc/DDK tag was expressed in HEK293 cells
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).
Molecular Mass	43.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name TP53 tumor protein p53 [Homo sapiens (human)]

Official Symbol TP53

Synonyms TP53; tumor protein p53; P53; BCC7; LFS1; BMFS5; TRP53; cellular tumor antigen p53; antigen NY-CO-13; mutant tumor protein 53; p53 tumor suppressor; phosphoprotein p53; transformation-related protein 53; tumor protein 53; tumor suppressor p53

Gene ID 7157

mRNA Refseq NM_000546

Protein Refseq NP_000537

MIM 191170

UniProt ID P04637

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SDS-PAGE

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