

Recombinant Human TP53 Protein, DDK-tagged

Cat. No. TP53-172H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TP53, transcript variant 1, fused with DDK tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
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	50mM Tris-HCl pH8.0, 150mM NaCl, 20% glycerol. Store at -80 centigrade.
Molecular Mass	44 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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

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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