

## 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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