

Recombinant Human TP53 Protein, His-tagged

Cat. No. TP53-983H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human tumor protein p53 with a N-terminal 6x histidine tag was derived from E.coli
Species	Human
Source	E.coli
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	Liquid
Molecular Mass	46.3 kDa
Purity	> 90%
Notes	This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.

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Storage	Upon arrival, the protein may be stored for 2 weeks at 4 centigrade. For long term storage, it is recommended to store at -20 centigrade or -80 centigrade in appropriate aliquots. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as a 0.2 µm filtered solution in 6 M urea, 10 mM Tris-HCl (pH 8.0), 0.5 M imidazole.
Shipping	Ice packs

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 supressor p53
Gene ID	7157
mRNA Refseq	NM_000546
Protein Refseq	NP_000537
MIM	191170
UniProt ID	P04637
SDS-PAGE	

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