

Recombinant Human TP73

Cat. No. TP73-30454TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human p73 Gamma with N-terminal proprietary tag; MWt 85 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	476 amino acids
Description	This gene encodes a member of the p53 family of transcription factors involved in cellular responses to stress and development. It maps to a region on chromosome 1p36 that is frequently deleted in neuroblastoma and other tumors, and thought to contain multiple tumor suppressor genes. The demonstration that this gene is monoallelically expressed (likely from the maternal allele), supports the notion that it is a candidate gene for neuroblastoma. Many transcript variants resulting from alternative splicing and/or use of alternate promoters have been found for this gene, but the biological validity and the full-length nature of some variants have not been determined.
Molecular Weight	85.000kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
GENE INFORMATION	
Gene Name	TP73 tumor protein p73 [Homo sapiens]
Official Symbol	TP73
Synonyms	TP73; tumor protein p73; P73;
Gene ID	7161
mRNA Refseq	NM_001126240
Protein Refseq	NP_001119712
MIM	601990
Uniprot ID	O15350
Chromosome Location	1p36.3
Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; Measles, organism-specific biosystem;

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Function

chromatin binding; damaged DNA binding; double-stranded DNA binding; metal ion binding; p53 binding;

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