

## Recombinant Human Tumor Protein P63, GST-tagged

Cat. No. TP63-327H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Full-length recombinant human TP63 was expressed by baculovirus in Sf9 cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	TP63 is the primordial member of the p53 family that acts in a conserved process of monitoring the integrity of the female germline, whereas the functions of p53 are restricted to vertebrate somatic cells for tumor suppression. TP63 protein plays an important role in the development and maintenance of stratified epithelial tissues. p63 is critical for maintaining the progenitor-cell populations that are necessary to sustain epithelial development and morphogenesis. Mutations in TP63 are associated with ectodermal dysplasia, cleft lip/palate syndrome 3 (EEC3) and split-hand/foot malformation 4 (SHFM4).
<b>Applications</b>	Kinase Assay; Western Blot
<b>Molecular Weight</b>	92 kDa
<b>Expression System</b>	Sf9 insect cells using baculovirus
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10 mMgultathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1mMMPMSF 25% glycerol.

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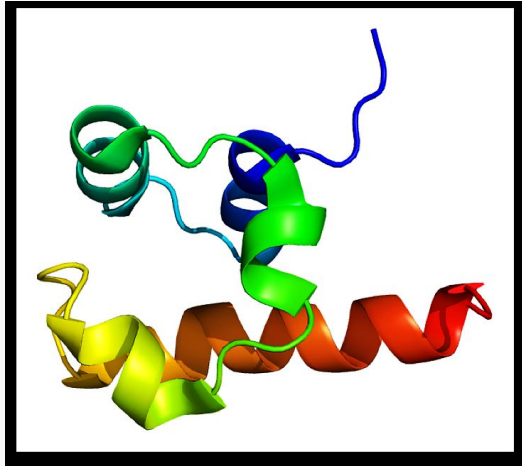
 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>90%
<b>Concentration</b>	0.2ug/ul
<b>Sequences</b>	Full-length
<b>Storage</b>	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Pathways</b>	Apoptosis; Direct p53 effectors; TP53 network
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	TP63 tumor protein p63 [ Homo sapiens ]
<b>Official Symbol</b>	TP63
<b>Synonyms</b>	TP63; tumor protein p63; AIS; KET; LMS; NBP; RHS; p40; p51; p63; EEC3; OFC8; p73H; p73L; SHFM4; TP53L; TP73L; p53CP; TP53CP; B(p51A); B(p51B); CUSP; OTTHUMP00000209732; OTTHUMP00000209733; OTTHUMP00000209734; OTTHUMP00000209735; OTTHUMP00000209737; OTTHUMP00000209738; OTTHUMP00000209739; OTTHUMP00000209740; OTTHUMP00000209741; OTTHUMP00000209742; OTTHUMP00000209743; OTTHUMP00000209744; transformation-related protein 63; tumor protein p53-competing protein; amplified in squamous cell carcinoma; chronic ulcerative stomatitis protein; keratinocyte transcription factor KET; tumor protein p63 deltaN isoform delta; tumor protein p53-like, tumor protein p73-like; P63; P73H; P73L
<b>Gene ID</b>	8626

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<b>mRNA Refseq</b>	NM_001114980
<b>Protein Refseq</b>	NP_001108452
<b>MIM</b>	603273
<b>UniProt ID</b>	Q9H3D4
<b>Chromosome Location</b>	3q28
<b>Function</b>	DNA binding; chromatin binding; damaged DNA binding; double-stranded DNA binding; identical protein binding; metal ion binding; p53 binding; protein binding; protein domain specific binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity
<b>PDBrendering based on 1rg6.</b>	

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