

Recombinant Human Tumor Protein P63, GST-tagged

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

SPECIFICATION

Product Overview	Full-length recombinant human TP63 was expressed by baculovirus in Sf9 cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	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).
Applications	Kinase Assay; Western Blot
Molecular Weight	92 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1mM PMSF 25% glycerol.

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Purity	>90%
Concentration	0.2ug/ul
Sequences	Full-length
Storage	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.
Pathways	Apoptosis; Direct p53 effectors; TP53 network
GENE INFORMATION	
Gene Name	TP63 tumor protein p63 [Homo sapiens]
Official Symbol	TP63
Synonyms	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
Gene ID	8626

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mRNA Refseq	NM_001114980
Protein Refseq	NP_001108452
MIM	603273
UniProt ID	Q9H3D4
Chromosome Location	3q28
Function	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
PDBrendering based on 1rg6.	