

Recombinant Human Tumor Protein P73, GST-tagged

Cat. No. TP73-329H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human TP73 beta was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	TP73 β is a member of the p53 family of transcription factors involved in cellular responses to stress and development. The TP73 protein is expressed at very low levels in normal tissues and is differentially expressed in a number of tumors. P73 β is strongly involved in malignancy acquisition and maintenance. TP73 is a stress-response gene that activates transcription of p53-responsive genes and inhibits cell growth in a p53-like manner by inducing apoptosis. TP73 is a component of a mismatch repair-dependent apoptosis pathway, which contributes to cisplatin-induced cytotoxicity. The regulation of TP73 by c-Abl in response to DNA damage was also demonstrated by a failure of ionizing radiation-induced apoptosis after disruption of c-Abl-p73 interaction.
Applications	Western Blot
Molecular Weight	88kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10 mM

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	glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1mM PMSF, 25% glycerol.
Purity	>95%
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. Product shipped on dry ice.
Pathways	Alpha6-Beta4 Integrin Signaling Pathway; Alpha6-Beta4 Integrin Signaling Pathway; Direct p53 effectors; E2F transcription factor network; Measles; Neurotrophin signaling pathway; TGF-beta Receptor Signaling Pathway; TP53 network; p53 signaling pathway

GENE INFORMATION

Gene Name	TP73 tumor protein p73 [Homo sapiens]
Official Symbol	TP73
Synonyms	TP73;tumor protein p73; P73, OTTHUMP00000000662; OTTHUMP000000003477; OTTHUMP000000003478; OTTHUMP000000003479; OTTHUMP000000003480; p53-related protein; p53-like transcription factor
Gene ID	7161
mRNA Refseq	NM_005427

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Protein Refseq	NP_005418
MIM	601990
UniProt ID	O15350
Chromosome Location	1p36.3
Function	Transcription repressor activity; Transcription factor binding; Transcription activator activity; Sequence-specific DNA binding transcription factor activity; Protein binding; promoter binding; p53 binding; Metal ion binding; Double-stranded DNA binding; Damaged DNA binding; Chromatin binding
PDBrendering based on 1cok.	