

Recombinant Human TP73

Cat. No. TP73-30577TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human p73 alpha expressed in Sf9 cells using an N terminal proprietary tag; predicted MWt: 110 kDa inclusive of tag;
Species	Human
Source	Insect Cells
ProteinLength	636 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	110.000kDa inclusive of tags
Tissue specificity	Expressed in striatal neurons of patients with Huntington disease (at protein level). Brain, kidney, placenta, colon, heart, liver, spleen, skeletal muscle, prostate, thymus and pancreas. Highly expressed in fetal tissue.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Form	Liquid
Purity	>90% by SDS-PAGE
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.
Sequences of amino acids	MAQSTATSPDGGTTFEHLWSSLEPDSTYFDLPQSSRGNNNEVGGTDSSMDVFHLE GMTTSVMAQFNLLSSTMDQMSSRAASAPYTPPEHAASVPTHSPYAQPSSFTDMS PAPVIPSNTDYPGPHHFEVTFQQSSTAKSATWTYSPLLKKLYCQIAKTCPIQIKVSTP PPPGTAIRAMPVYKKAHVTDVVKRCPNHELGRDFNEGQSAPASHLIRVEGNNLSQ YVDDPVTGRQSVVVPYEPPQVGTEFTTILYNFMCNSSCVGGMNRRPILIIITLEMRDG QVLGRRSFEGRICACPGDRKADHDHYREQQALNESSAKNGAASKRAFKQSPPAV PALGAGVKKRRHGDDEDTYYLQVRGRENFEILMKLKESLELMELVPQPLVDSYRQQQ QLLQRPSHLQPPSYGPVLSPMNKVHGGMNKLPSVNQLVGQPPPHSSAATPNLGPV GPGMLNNHGHAVPANGEMSSSHSAQSMVSGSHCTPPPPYHADPSLVSFLTGLGC PNCIEYFTSQGLQSIYHLQNLTIEDLGALKIPEQYRMTIWRGLQDLKQGHDYSTAQQ LRSSNAATISIGGSGELQRQVRVMEAVHFRVRHTITIPNRGGPGGGPDEWADFGFDL PDCKARKQPIKEEFTEAEIH
Sequence Similarities	Belongs to the p53 family. Contains 1 SAM (sterile alpha motif) domain.
GENE INFORMATION	
Gene Name	TP73 tumor protein p73 [Homo sapiens]
Official Symbol	TP73

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

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