

## Product datasheet for TP320864M

### p73 (TP73) (NM\_005427) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human tumor protein p73 (TP73), transcript variant 1, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC220864 representing NM_005427 Red=Cloning site Green=Tags(s)  MAQSTATSPDGGTTFEHLWSSLEPDSTYFDLPQSSRGNNEVGGTDSSMDVHFHLEGMTTSVMAQFNLLSS TMDQMSSRAASAPYTPEHAASVPTHSPYAQPSSTFDTMSPAPVIPSNTDYPGPHHFVTFQSSSTAKSA TWTYSPLLKKLYCQIAKTCPIQIKVSTPPPGTAIRAMPVYKKAHVTDVVKRCPNHELGRDFNEGQSAP ASHLIRVEGNLSQYVDDPVTGRQSVVVPYEPQVGTFTTILYNFMCNSSCVGGMNRRPILIIITLEMR DGQVLGRRSFEGRICACPRDRKADEDHYREQQALNESSAKNGAASKRAFKQSPPAVPALGAGVKKRRHG DEDTYYLQVRGRENFEILMKLKESLELMELVPQLVDSYRQQQLLQRPSHLQPPSYGPLSPMNKVHGG MNLKPSVNQLVGQPPPHSSAATPNLGPVGPMLNNHGHAVPANGEMSSSHSAQSMVSGSHCTPPPPYHAD PSLVSFLTGLGCPNCIEYFTSQGLQSIYHLQNLTIEDLGALKIPEQYRMTIWRGLQDLKQGHDYSTAQQL LRSSNAATISIGGSGELQRQRVMEAVHFRVRHTITIPNRGGPGGGPDEWADFGFDLPDCKARKQPIKEEF TEAEIH  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	69.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_005418](#)

**Locus ID:** 7161

**UniProt ID:** [O15350](#), [A1PQX5](#)

**RefSeq Size:** 2234

**Cytogenetics:** 1p36.32

**RefSeq ORF:** 1908

**Synonyms:** P73

**Summary:** 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. [provided by RefSeq, Feb 2011]

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Neurotrophin signaling pathway, p53 signaling pathway

### Product images:



Coomassie blue staining of purified TP73 protein (Cat# [TP320864]). The protein was produced from HEK293T cells transfected with TP73 cDNA clone (Cat# [RC220864]) using MegaTran 2.0 (Cat# [TT210002]).