

## Product datasheet for PH325696

### p73 (TP73) (NM\_001126242) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TP73 MS Standard C13 and N15-labeled recombinant protein (NP_001119714)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC225696
Predicted MW:	47.5 kDa
Protein Sequence:	>RC225696 representing NM_001126242 Red=Cloning site Green=Tags(s)  MLYVGDPARHLATAQFNLLSSTMDQMSSRAASASPYTPEHAASVPTHSPYAQPSSTFDTMSPAPVIPSNT DYPGPHHFVTFQSSSTAKSATWTYSPLLKLYCQIAKTCPYIYVSTPPPGTAIRAMPVYKKAHVTD VYKRCPNHELGRDFNEGQSAPASHLIRVEGNLSQYVDDPVTGRQSVVVPYEPVQVTEFTTILYNFMCN SSCVGGMNRRIILIIITLEMRDQVLGRRSFEGRICACPGDRKADHDHYEQALNESSAKNGAASKRA FKQSPPAVPALGAGVKKRRHGDEDTYYLQVRGRENFEILMKLKESLELMELVPQPLVDSYRQQQLLQRP PRDAQQPWPRSASQRRDEQQPQRPVHGLGVPLHSATPLPRRPQPRQFFNRIGVSKLHRVFHLPRVTEHLP PAEPDH  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001119714</u>
RefSeq ORF:	1278
Synonyms:	P73
Locus ID:	7161



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UniProt ID: [O15350](#), [A0A0C4DFW9](#)

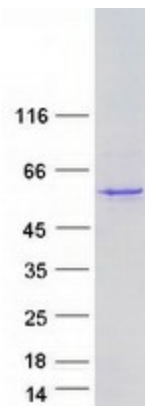
Cytogenetics: 1p36.32

**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# [TP325696]). The protein was produced from HEK293T cells transfected with TP73 cDNA clone (Cat# [RC225696]) using MegaTran 2.0 (Cat# [TT210002]).