

Product datasheet for PH320864

p73 (TP73) (NM_005427) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TP73 MS Standard C13 and N15-labeled recombinant protein (NP_005418)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220864
Predicted MW:	69.4 kDa
Protein Sequence:	>RC220864 representing NM_005427 Red=Cloning site Green=Tags(s)

MAQSTATSPDGGTTFEHLWSSLEPDSTYFDLPQSSRGNNNEVGGTDSMDVHFLEGMTTSVMAQFNLLSS
TMDQMSSRAASAPYTPPEHAASVPTHSPYAQPSSTFDTMSPAPVIPSNTDYPGPHHFVTFQSSSTAKSA
TWTYSPLLLKLYCQIAKTCPIQIKVSTPPPGTAIRAMPVYKKAHVTDVVKRCPNHELGRDFNEGQSAP
ASHLIRVEGNLQYVDDPVTGRQSVVVPYEPQVGFTEFTTILYNFMCNSSCVGGMNRRLIIITLEMR
DGQVLGRRSFEGRICACPRDRKADEHDHYREQQALNESSAKNGAASKRAFQSPPAVPALGAGVKKRRHG
DEDYYLQVRGRENFEILMKLKESELELMELVPQPLVDSYRQQQLLQRPSHLQPPSYGPVLSMNMKVHGG
MNKLPVSNQLVGQPPHSSAATPNLGPVGPMLNNHGHAVPANGEMSSSSHAQSMVSGSHCTPPPPYHAD
PSLVSFLTGLGCPNCIEYFTSQGLQSIYHLQNLTIEDLGALKIPEQYRMTIWRGLQDLKQGHDYSTAQQL
LRSSNAATISIGSGELQRQVMEAVHFRVRHTITIPNRGGPGGPDWADF GFDLPDCKARKQPIKEEF
TEAEIH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_005418
RefSeq Size:	2234



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RefSeq ORF: 1908

Synonyms: P73

Locus ID: 7161

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

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