

Product datasheet for **SC323148**

p73 (TP73) (NM_001126240) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p73 (TP73) (NM_001126240) Human Untagged Clone
Tag:	Tag Free
Symbol:	p73
Synonyms:	P73
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001126240, the custom clone sequence may differ by one or more nucleotides

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ATGCTGTACGTGGTGACCCCGCACGGCACCTCGCCACGGCCAGTTCAATCTGCTGAGC
AGCACCATGGACCAGATGAGCAGCCGCGCGCCTCGGCCAGCCCCACACCCAGAGCAC
GCCGCCAGCGTGCCACCCACTCGCCCTACGCACAACCCAGCTCCACCTTCGACACCATG
TCGCCGGCGCCTGTCATCCCCTCCAACACCGACTACCCCGGACCCACCACCTTTGAGGTC
ACTTTCCAGCAGTCCAGCACGGCCAAGTCAGCCACCTGGACGTACTCCCCGCTCTTGAAG
AAACTCTACTGCCAGATCGCCAAGACATGCCCATCCAGATCAAGGTGTCCACCCCGCCA
CCCCAGGCACCGCCATCCGGGCCATGCCTGTTTACAAGAAAGCGGAGCACGTGACCGAC
GTCGTGAAACGCTGCCCAACCACGAGCTCGGGAGGGACTTCAACGAAGGACAGTCTGCT
CCAGCCAGCCACCTCATCCGCGTGAAGGCAATAATCTCTCGCAGTATGTGGATGACCT
GTCACCGGCAGGCAGAGCGTCGTGGTGCCTATGAGCCACCACAGGTGGGGACGGAATTC
ACCACCATCCTGTACAACCTCATGTGTAAACAGCAGCTGTGTAGGGGGCATGAACCGCGG
CCCATCCTCATCATCACCCTGGAGATGCGGGATGGGCAGGTGCTGGCCGCCGGTCC
TTTGAGGGCCGCATCTGCGCCTGCTGCGCCGACCGAAAAGCTGATGAGGACCACTAC
CGGGAGCAGCAGGCCCTGAACGAGAGCTCCGCCAAGAACGGGGCCGACGAAGCGTGCC
TTCAAGCAGAGCCCCCTGCCGTCCCCGCCCTTGGTGCCGGTGTGAAGAAGCGGGCGCAT
GGAGACGAGGACAGTACTACCTTCAGGTGCGAGGCCGGGAGAAGCTTTGAGATCCTGATG
AAGCTGAAAGAGAGCCTGGAGCTGATGGAGTTGGTGCCGCGAGCCACTGGTGGACTCCTAT
CGGCAGCAGCAGCTCCTACAGAGGCCGAGTCACTACAGCCCCCGTCTACGGGCCG
GTCCTCTCGCCATGAACAAGGTGCACGGGGCATGAACAAGTGCCTCCGTCAACCAG
CTGGTGGGCCAGCCTCCCCGCACAGTTCGGCAGCTACACCAACCTGGGGCCCGTGGGC
CCCGGATGCTCAACAACCATGGCCACGAGTCCAGCCAACGGCGAGATGAGCAGCAGC
CACAGCGCCAGTCCATGGTCTCGGGTCCCAGTCCGACTCCGCCACCCCTACCACGCC
GACCCAGCCTCGTCAGTTTTTAAACAGGATTGGGGTGTCCAAATGCATCGAGTATTTT
ACCTCCCAAGGGTTACAGAGCATTTACCACCTGCAGAACCTGACCATTGAGGACCTGGGG
GCCCTGAAGATCCCCGAGCAGTACCGCATGACCATCTGGCGGGCCTGCAGGACCTGAAG
CAGGGCCACGACTACAGCACCGCGCAGCAGCTGCTCCGCTCTAGCAACGCGGCCACCATC
TCCATCGGCGGCTCAGGGAACTGCAGCGCCAGCGGGTTCATGGAGCCGTGCACTCCGC
GTGCGCCACACCATCACCATCCCCAACCGCGGCCAGCGGGCCCTGACGAGTGG
GCGGACTTCGGCTTCGACCTGCCGACTGCAAGGCCCGCAAGCAGCCATCAAGGAGGAG
TTCACGGAGGCCGAGATCCAC
    
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Restriction Sites: Please inquire

ACCN: NM_001126240

Insert Size: 2800 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001126240.1.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001126240.1, NP_001119712.1</u>
RefSeq Size:	2822 bp
RefSeq ORF:	1764 bp
Locus ID:	7161
UniProt ID:	<u>O15350</u>
Cytogenetics:	1p36.32
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Neurotrophin signaling pathway, p53 signaling pathway
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b, also known as deltaN p73 alpha) has a shorter and distinct N-terminus compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>