

Product datasheet for **SC127909**

p73 (TP73) (NM_005427) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p73 (TP73) (NM_005427) Human Untagged Clone
Tag:	Tag Free
Symbol:	p73
Synonyms:	P73
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_005427, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCAGTCCACCGCCACCTCCCTGATGGGGGCACCAGTGGAGCTCTCTGGAAC
CAGACAGCACCTACTTCGACCTTCCCAGTCAAGCCGGGGGAATAATGAGGTGGTGGCGGAACGGATT
CAGCATGGACGTCTTCCACCTGGAGGGCATGACTACATCTGTCTGTCATGGCCCAGTTCAATCTGCTGAGCAGC
ACCATGGACCAGATGAGCAGCCGCGGGCTCGGCCAGCCCTACACCCAGAGCAGCCCGCAGGGTGC
CCACCCACTCGCCCTACGCACAACCCAGCTCCACCTTCGACACCATGTGCGCCGGCGCTGTCTCCCTC
CAACACCGACTACCCCGACCCACCCTTTGAGGTCACTTTCCAGCAGTCCAGCAGCGGCAAGTCAAGC
ACCTGGACGTACTCCCGCTCTTGAAGAACTCTACTGCCAGATCGCAAGACATGCCCCATCCAGATCA
AGGTGTCCACCCCGCCACCCAGGCACCGCCATCCGGGCCATGCCTGTTTACAAGAAAGCGGAGCAGT
GACCGACGTGCGTAAACGCTGCCCAACCACGAGCTCGGGAGGGACTTCAACGAAGGACAGTCTGCTCCA
GCCAGCCACCTCATCCGCGTGAAGGCAATAATCTCTCGCAGTATGTGGATGACCCTGTCACCGGCAGGC
AGAGCGTGTGGTCCCTATGAGCCACCACAGGTGGGGACGGAATTCACCACCATCCTGTACAATTCAT
GTGTAACAGCAGCTGTGTAGGGGCATGAACCGCGGCCATCCTCATCATCATACCCTGGAGATGCGG
GATGGGCAGGTGCTGGGCCGCGGTCTTTGAGGGCCGATCTGCGCCTGTCTGGCCGCGACCGAAAAG
CTGATGAGGACCACTACCGGGAGCAGCAGGCCCTGAACGAGAGCTCCGCCAAGAACGGGGCCGCCAGCA
GCGTGCCTTCAAGCAGAGCCCCCTGCCGTCCCGCCCTTGGTCCGGTGTGAAGAAGCGGCGGCATGGA
GACGAGGACACGTACTACCTCAGGTGCGAGGCCGGGAGAAGTTTGAAGTCTGATGAAGCTGAAAGAGA
GCCTGGAGCTGATGGAGTTGGTCCCGCAGCCACTGGTGGACTCCTATCGGCAGCAGCAGCAGCTCCTACA
GAGGCCGAGTCACTACAGCCCCGTCTACGGGCCGGTCTCTCGCCATGAACAAGGTGCACGGGGGC
ATGAACAAGCTGCCCTCGTCAACCAGCTGGTGGCCAGCCTCCCCGCACAGTTCCGACGCTACACCCA
ACCTGGGGCCCGTGGGCCCGGGATGCTCAACAACCATGGCCACGCAGTGCCAGCCAACGGCGAGATGAG
CAGCAGCCACAGCGCCAGTCCATGGTCTCGGGTCCCACTGCACTCCGCCACCCCTACCACGCGGAC
CCCAGCCTCGTCAAGTTTTTAAACAGATTGGGGTGTCCAACTGCATCGAGTATTTACCTCCCAAGGGT
TACAGAGCATTTACCACCTGCAGAACCTGACCATTGAGGACCTGGGGCCCTGAAGATCCCCGAGCAGTA
CCGCATGACCATCTGGCGGGCCCTGCAGGACCTGAAGCAGGGCCACGACTACAGCACCAGCAGCAGCTG
CTCCGCTTAGCAACGCGGCCACCATCTCCATCGGCGGCTCAGGGGAAGTGCAGCGCCAGCGGGTCA
AGGCCGTGCACTTCCGCGTGCGCCACACCATCACCATCCCCAACCGCGGGCCAGCGCGGCCCTGA
CGAGTGGCGGACTTCCGCTTCGACCTGCCGACTGCAAGGCCCGCAAGCAGCCATCAAGGAGGAGTTC
ACGGAGGCCGAGATCCACTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005427 unedited

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GGACGTACAAAATTTTGTATACGACTCACTATAGGGNNCGCCCGCATGGCCCAGTCCAC
CGCCACCTCCCCTGATGGGGGCACCACGTTTGGAGCCTCTGGAGCTCTCTGGAACCAGA
CAGCACCTACTTCGACCTTCCCAGTCAAGCCGGGGGAATAATGAGGTGGTGGCGGAAC
GGATTCCAGCATGGACGTCTTCCACCTGGAGGGCATGACTACATCTGTCTGTCATGGCCAGTT
CAATCTGCTGAGCAGCACCATGGACCAGATGAGCAGCCGCGCGGCTCGGCCAGCCCTA
CACCCAGAGCACGCCGACGCGTGCACCCACTCGCCCTACGCACAACCCAGCTCCAC
CTTCGACACCATGTGCGCGGCGCTGTCTCCCTCCAACACCGACTACCCCGGACCCCA
CCACTTTGAGGTCACTTTCCAGCAGTCCAGCACGGCCAAGTCAAGCCACCTGGACGTACTC
CCCCTCTTGAAGAACTCTACTGCCAGATCGCAAGACATGCCCATCCAGATCAAGGT
GTCCACCCCGCCACCCAGGCACTGCCATCCGGGCCATGCCTGTTTACAAGAAAGCGGA
GCAGTGAACGAGCTCGTGAACGCTGCCCAACCACGAGCTCGGGAGGGACTTCAACGA
AGGACAGTCTGCTCCAGCCAGCCACCTCATCCGCGTGAAGGCAATAATCTCTCGCAGTA
TGTGGATGACCCTGTACCGGCAGGCAGAGCGTGTGGTGCCTATGAGCCACCACAGGT
GGGGGACGGAATTCACCACCATCCTGTACAACCTCATGTGTAACAGCAGCTGTGTAGGG
GCATGAACCGCGGCCATCCTCATCATCATACCCTGGAGATGCCNGNATGGGCANGTG
CTGGGCCCGCGGTCTTTTGGAGCCGATCTG
    
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Restriction Sites:	Please inquire
ACCN:	NM_005427
Insert Size:	3000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	NM_005427.1 , NP_005418.1
RefSeq Size:	2234 bp
RefSeq ORF:	1911 bp
Locus ID:	7161
UniProt ID:	O15350
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 (1), encodes isoform a, also known as TA p73 alpha. 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>