

Product datasheet for **SC323069**

p73 (TP73) (NM_001126241) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: p73 (TP73) (NM_001126241) Human Untagged Clone
Tag: Tag Free
Symbol: p73
Synonyms: P73
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001126241 edited
 ATGCTGTACGTCTGGTGACCCCGCACGGCACCTCGCCACGGCCAGTTCAATCTGCTGAGC
 AGCACCATGGACCAGATGAGCAGCGCGGGCCCTCGGCCAGCCCTACACCCAGAGCAC
 GCCGCCAGCGTGCCACCCACTCGCCCTACGCACAACCCAGCTCCACCTTCGACACCATG
 TCGCCGGCGCCTGTCATCCCTCCAACACCGACTACCCCGGACCCACCACTTTGAGGTC
 ACTTTCCAGCAGTCCAGCACGGCAAGTCAAGTCAAGGTGTCCACCCGCCA
 AAATCTACTGCCAGATCGCAAGACATGCCCCATCCAGATCAAGGTGTCCACCCGCCA
 CCCCCAGGCACTGCCATCCGGGCCATGCCTGTTTACAAGAAAGCGGAGCACGTGACCGAC
 GTCGTGAAACGCTGCCCAACCACGAGCTCGGGAGGGACTTCAACGAAGGACAGTCTGCT
 CCAGCCAGCCACCTCATCCGCTGGAAGCAATAATCTCTCGCAGTATGTGGATGACCT
 GTCACCGGCAGGCAGAGCGTGTGGTGCCTATGAGCCACCACAGGTGGGGACGGAATTC
 ACCACCATCCTGTACAACCTTATGTGTAACAGCAGCTGTGTAGGGGGCATGAACCGCGG
 CCCATCCTCATCATCACCTGGAGATGCGGGATGGGAGGTGCTGGGCCCGCGTCC
 TTTGAGGGCCGCATCTGCGCCTGTCTGGCCGCGACCGAAAAGCTGATGAGGACCACTAC
 CGGGAGCAGCAGGCCCTGAACGAGAGCTCCGCCAAGAACGGGGCCGCCAGCAAGCGTGCC
 TTCAAGCAGAGCCCCCTGCCGTCCCGCCCTTGGTGCCGGTGTGAAGAAGCGCGCGCAT
 GGAGACGAGGACACGTAACCTCAGGTGCGAGGCCGGGAGAAGTTTGGATCCTGATG
 AAGCTGAAAGAGAGCCTGGAGCTGATGGAGTTGGTGCCGAGCCACTGGTGGACTCCTAT
 CGGCAGCAGCAGCTCCTACAGAGCCGAGTACCTACAGCCCCGCTCCTACGGGCGG
 GTCTCTCGCCCATGAACAAGGTGCACGGGGCATGAACAAGCTGCCCTCCGTCAACCAG
 CTGGTGGGCCAGCCTCCCCGCACAGTTCGGCAGCTACACCCAACCTGGGGCCCGTGGGC
 CCCGGGATGCTCAACAACCATGGCCACGAGTGCAGCCAACGGCGAGATGAGCAGCAGC
 CACAGCGCCAGTCCATGGTCTCGGGTCCCCTGCACTCCGCCACCCCTACCACGCC
 GACCCAGCCTCGTCAGGACCTGGGGCCCTGA

Restriction Sites: Please inquire



[View online »](#)

| | |
|-------------------------------|---|
| ACCN: | NM_001126241 |
| Insert Size: | 1400 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). |
| OTI Annotation: | The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001126241.1. |
| 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_001126241.1, NP_001119713.1</u> |
| RefSeq Size: | 2728 bp |
| RefSeq ORF: | 1353 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:

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]

Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence and lacks an alternate coding exon compared to variant 1, that causes a frameshift. The resulting isoform (c, also known as deltaN p73 beta) has a shorter and distinct N-terminus and a shorter and distinct C-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.