

## Product datasheet for **SC318939**

### **p63 (TP63) (NM\_001114980) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	p63 (TP63) (NM_001114980) Human Untagged Clone
Tag:	Tag Free
Symbol:	p63
Synonyms:	AIS; B(p51A); B(p51B); EEC3; KET; LMS; NBP; OFC8; p40; p51; p53CP; p63; p73H; p73L; RHS; SHFM4; TP53CP; TP53L; TP73L
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001114980 edited  
 ATGTTGTACCTGGAAAACAATGCCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTG  
 GGGCTCCTGAACAGCATGGACCAGCAGATTCAGAACGGCTCCTCGTCCACCAGTCCCTAT  
 AACACAGACCACGCGCAGAACAGCGTCACGGCGCCCTCGCCCTACGCACAGCCCAGCTCC  
 ACCTTCGATGCTCTCTCCATCACCCGCCATCCCCTCCAACACCGACTACCCAGGCCG  
 CACAGTTTCGACGTGCTTCCAGCAGTCGAGCACCGCCAAGTCGGCCACCTGGACGTAT  
 TCCACTGAACGAAGAACTCTACTGCCAAATTGCAAAGACATGCCCCATCCAGATCAAG  
 GTGATGACCCACCTCCTCAGGGAGCTGTTATCCGCGCCATGCCTGTCTACAAAAAAGCT  
 GAGCACGTCACGGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGTGAATTCAAC  
 GAGGGACAGATTGCCCTCCTAGTCATTTGATTGAGTAGAGGGGAACAGCCATGCCAG  
 TATGTAGAAGATCCCATCACAGGAAGACAGAGTGTGCTGGTACCTTATGAGCCACCCAG  
 GTTGGCACTGAATTCACGACAGTCTTGTACAATTCATGTGTAACAGCAGTTGTGTTGGA  
 GGGATGAACCGCCGTCGAATTTAATCATTGTTACTCTGGAAACCAGAGATGGGCAAGTC  
 CTGGGCCGACGCTGCTTTGAGGCCCGGATCTGTGCTTGCCAGGAAGAGACAGGAAGGCG  
 GATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGGTGATGGTACG  
 AAGCGCCCGTTTCGTGAGAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAGA  
 TCCCCAGATGATGAACTGTTATACTTACCAGTGAGGGGCCGTGAGACTTATGAAATGCTG  
 TTGAAGATCAAAGAGTCCCTGGAACATGCAAGTACCTTCCCTCAGCACACAATTGAAACG  
 TACAGGCAACAGCAACAGCAGCAGCACCAGCACTTACTTCAGAAACAGACCTCAATACAG  
 TCTCCATCTTCATATGGTAACAGCTCCCCACCTCTGAACAAAATGAACAGCATGAACAAG  
 CTGCCTTCTGTGAGCCAGCTTATCAACCCTCAGCAGCGCAACGCCCTCACTCCTACAACC  
 ATTCCTGATGGCATGGGAGCCAACATCCCATGATGGGCACCCACATGCCAATGGCTGGA  
 GACATGAATGGACTCAGCCCCACCCAGGCACTCCCTCCCCACTCTCCATGCCATCCACC  
 TCCCACTGCACACCCCACTCCGTATCCACAGATTGCAGCATTGTGAGTTTCTTAGCG  
 AGGTTGGGCTGTTTCATCATGTCTGGACTATTTACGACCCAGGGGCTGACCACCATCTAT  
 CAGATTGAGCATTACTCCATGGATGATCTGGCAAGTCTGAAAATCCCTGAGCAATTCGA  
 CATGCGATCTGGAAGGGCATCCTGGACCACCGGCAGCTCCACGAATTCCTCCTCCCTTCT  
 CATCTCTGCGGACCCCAAGCAGTGCCTCTACAGTCAGTGTGGGCTCCAGTGAGACCCGG  
 GGTGAGCGTGTTATTGATGCTGTGCGATTACCCTCCGCCAGACCATCTTTCCACCC  
 CGAGATGAGTGAATGACTTCAACTTTGACATGGATGCTCGCCGAATAAGCAACAGCGC  
 ATCAAAGAGGAGGGGAGTGA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001114980

**Insert Size:** 4700 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001114980.1</a> , <a href="#">NP_001108452.1</a>
<b>RefSeq Size:</b>	4697 bp
<b>RefSeq ORF:</b>	1761 bp
<b>Locus ID:</b>	8626
<b>UniProt ID:</b>	<a href="#">Q9H3D4</a>
<b>Cytogenetics:</b>	3q28
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a member of the p53 family of transcription factors. The functional domains of p53 family proteins include an N-terminal transactivation domain, a central DNA-binding domain and an oligomerization domain. Alternative splicing of this gene and the use of alternative promoters results in multiple transcript variants encoding different isoforms that vary in their functional properties. These isoforms function during skin development and maintenance, adult stem/progenitor cell regulation, heart development and premature aging. Some isoforms have been found to protect the germline by eliminating oocytes or testicular germ cells that have suffered DNA damage. Mutations in this gene are associated with ectodermal dysplasia, and cleft lip/palate syndrome 3 (EEC3); split-hand/foot malformation 4 (SHFM4); ankyloblepharon-ectodermal defects-cleft lip/palate; ADULT syndrome (acrodermato-ungual-lacrimal-tooth); limb-mammary syndrome; Rap-Hodgkin syndrome (RHS); and orofacial cleft 8. [provided by RefSeq, Aug 2016]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and coding region, compared to variant 1. The resulting isoform (4, also known as deltaNp63alpha, deltaN-alpha, P51delNalpha, CUSP, and p73H) is shorter and has a distinct N-terminus, compared to isoform 1.</p>