

Product datasheet for **SC318909**

p63 (TP63) (NM_001114979) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p63 (TP63) (NM_001114979) 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>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>OriGene ORF sequence for NM_001114979 edited ATGAATTTTAAAACCTTACGGTGTGCCACCCTACAGTACTGCCCTGACCCTTACATCCAG CGTTTCGTAGAAAACCCAGCTCATTCTCTTGGAAAGAAAGTTATTACCGATCCACCATG TCCCAGAGCACACAGACAAATGAATTCCTCAGTCCAGAGGTTTTCCAGCATATCTGGGAT TTTCTGGAACAGCCTATATGTTTCAGTTCAGCCATTGACTTGAACCTTGTGGATGAACCA TCAGAAGATGGTGCACAAACAAGATTGAGATTAGCATGGACTGTATCCGCATGCAGGAC TCGGACCTGAGTGACCCCATGTGGCCACAGTACACGAACCTGGGGCTCCTGAACAGCATG GACCAGCAGATTCAGAACGGCTCCTCGTCCACCAGTCCCTATAACACAGACCACGCGCAG AACAGCGTCACGGCGCCCTCGCCCTACGCACAGCCAGCTCCACCTTCGATGCTCTCTCT CCATCACCCGCCATCCCCTCCAACACCGACTACCCAGGCCCGCACAGTTTCGACGTGTCC TTCCAGCAGTCGAGCACCGCCAAGTCGGCCACCTGGACGTATTCCACTGAACTGAAGAAA CTCTACTGCCAAATTGCAAAGACATGCCCCATCCAGATCAAGGTGATGACCCACCTCCT CAGGGAGCTGTTATCCGCGCCATGCCTGTCTACAAAAAGCTGAGCACGTACGGAGGTG GTGAAGCGGTGCCCAACCATGAGCTGAGCCGTGAATTCACAGGGACAGATTGCCCT CCTAGTCAATTTGATTTCGAGTAGAGGGGAACAGCCATGCCAGTATGTAGAAGATCCCATC ACAGGAAGACAGAGTGTGCTGGTACCTTATGAGCCACCCAGGTTGGCACTGAATTCACG ACAGTCTTGTAACAATTCATGTGTAACAGCAGTTGTGTTGGAGGGATGAACCGCCGTCCA ATTTTAATCATTGTTACTCTGAAAACAGAGATGGGCAAGTCTGGGCGGACGCTGCTTT GAGGCCCGGATCTGTGCTTGCCAGGAAGAGACAGGAAGCGGATGAAGATAGCATCAGA AAGCAGCAAGTTTCGGACAGTACAAAGAACGGTGTGTTACGAAGCGCCCGTTTCGTGAG AACACACATGGTATCCAGATGACATCCATCAAGAAACGAAGATCCCAGATGATGAACTG TTATACTTACCAGTGAGGGGCCGTGAGACTTATGAAATGCTGTTGAAGATCAAAGAGTCC CTGGAACATCATGCAGTACCTTCCAGCACACAATTGAAACGTACAGGCAACAGCAACAG CAGCAGCACAGCACTTACTTCAGAAACATCTCCTTTTCAGCCTGCTTCAGGAATGAGCTT GTGGAGCCCGGAGAGAACTCCAAAACATCTGACGTCTTCTTTAGACATTCCAAGCCC CCAAACCGATCAGTGATCCCATAG
Restriction Sites:	Please inquire
ACCN:	NM_001114979
Insert Size:	1700 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 open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_001114979.1.
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_001114979.1</u> , <u>NP_001108451.1</u>

RefSeq Size: 2870 bp

RefSeq ORF: 1464 bp

Locus ID: 8626

UniProt ID: [Q9H3D4](#)

Cytogenetics: 3q28

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: 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]

Transcript Variant: This variant (3) differs in the 3' UTR and coding region, compared to variant 1. The resulting isoform (3, also known as TAp63gamma, TA-gamma, and p51A) is shorter and has a distinct C-terminus, compared to isoform 1.