

Product datasheet for **SC318851**

p63 (TP63) (NM_001114982) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p63 (TP63) (NM_001114982) Human Untagged Clone
Tag:	Tag Free
Symbol:	TP63
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-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001114982 edited

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CTTGAGTTCTGTTATCTTCTTAAGTAGATTCATATTGTAAGGGTCTCGGGGTGGGGGGT
TGGCAAAATCCTGGAGCCAGAAGAAAGGACAGCAGCATTGATCAATCTTACAGCTAACAT
GTTGTACTGGAAAACAATGCCAGACTCAATTTAGTGAGCCACAGTACACGAACCTGGG
GCTCCTGAACAGCATGGACCAGCAGATTCAGAACGGCTCCTCGTCCACCAGTCCCTATAA
CACAGACCACGCGCAGAACAGCGTCACGGCGCCCTCGCCCTACGCACAGCCAGCTCCAC
CTTCGATGCTCTCTCCATCACCCGCCATCCCTCCAACACCGACTACCCAGGCCCGCA
CAGTTTCGACGTGCTTCCAGCAGTCGAGCACCGCCAAGTCGGCCACCTGGACGTATTC
CACTGAACTGAAGAACTCTACTGCCAAATTGCAAAGACATGCCCATCCAGATCAAGGT
GATGACCCACCTCCTCAGGGAGCTGTTATCCGCGCCATGCTGTCTACAAAAAGCTGA
GCACGTCACGGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGTGAATTCACGA
GGGACAGATTGCCCTCCTAGTCATTTGATTTCGAGTAGAGGGGAACGCCATGCCAGTA
TGTAGAAGATCCCATCACAGGAAGACAGAGTGTGCTGGTACCTTATGAGCCACCCAGGT
TGGCACTGAATTCACGACAGTCTTGTACAATTCATGTGTAACAGCAGTTGTGTTGGAGG
GATGAACCGCCGTCCTAATTTAATCATTGTTACTCTGAAACAGAGATGGGCAAGTCTCT
GGGCCGACGCTGCTTTGAGGCCCGGATCTGTGCTTGCCAGGAAGAGACAGGAAGGCCGA
TGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAGAACGGTATGGTACGAA
GCGCCCGTTTCGTGAGAACACATGGTATCCAGATGACATCCATCAAGAAACGAAGATC
CCCAGATGATGAACTGTTATACTTACCAGTGAGGGCCGTGAGACTTATGAAATGCTGTT
GAAGATCAAAGAGTCCCTGGAATCATGCAGTACCTTCTCAGCACACAATTGAAACGTA
CAGGCAACAGCAACAGCAGCAGCACCAGCACTTACTTCAGAAACATCTCCTTTTCAGCCTG
CTTCAGGAATGAGCTTGTGGAGCCCGGAGAGAACTCCAAAACAATCTGACGCTTCTT
TAGACATTCGAAGCCCCAAACCGATCAGTGTACCCATAGAGCCCTATCTATATTTTA
AGTGTGTGTTGTTATTTCCATGTGTATATGTGAGTGTGTGTGTGTATGTGTGTGCGT
GTGTATCTAGCCCTCAT

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Restriction Sites:	Please inquire
ACCN:	NM_001114982
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_001114982.1.
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_001114982.1</u> , <u>NP_001108454.1</u>
RefSeq Size:	2640 bp
RefSeq ORF:	1182 bp
Locus ID:	8626
UniProt ID:	<u>Q9H3D4</u>
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 (6) differs in the 5' UTR and coding region, and in the 3' UTR and coding region, compared to variant 1. The resulting isoform (6, also known as deltaNp63gamma, P51delNgamma, and deltaN-gamma) is shorter and has distinct N- and C-termini, compared to isoform 1.