

Product datasheet for **SC122743**

PAX9 (NM_006194) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAX9 (NM_006194) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAX9
Synonyms:	STHAG3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006194 edited
AAGCCTCTTTCATCGGGGCACAGACTTCCTTTTACTTCTTCTTTTGCCTCTCGCTCC
TCCTCCTGGGAAGAAGCGGAGGCCCGCGGTGCGCCGGGATAGCAACAGGCCGGGCCAC
TGAGGCGGTGCGGAAAGTTTCTGTCTGGGAGTGCAGAACTGGGGCCGGTTGGTGTACTG
CTCGGAGCAATGGAGCCAGCCTTCGGGGAGGTGAACAGCTGGGAGGAGTGTTCGTGAAC
GGGAGGCCCGTGCCTAACGCCATCCGGCTTCGCATCGTGGAACTGGCCAACTGGGCATC
GGACCGTGTGACATCAGCCGCCAGCTACGGGTCTCGCACGGCTGCGTCAGCAAGATCCTG
GCGCGATACAACGAGACGGGCTCGATCTTGCCAGGAGCCATCGGGGGCAGCAAGCCCCGG
GTCACTACCCCCACCGTGGTGAACACATCCGGACCTACAAGCAGAGAGACCCCCGGCATC
TTCGCTGGGAGATCCGGGACCGCTGCTGGCGGACGGCGTGTGCGACAAGTACAATGTG
CCCTCCGTGAGCTCCATCAGCCGATTCTGCGCAACAAGATCGGCAACTTGGCCAGCAG
GGTCATTACGACTCATAAAGCAGCACCAGCCGACGCCGAGCCAGCGCTGCCCTACAAC
CACATCTACTCGTACCCAGCCCTATCACGGCGGGCCGCCAAGGTGCCACGCCACCC
GGGGTGCCTGCCATCCCCGGTTCGGTGGCCATGCCGCGCACTGGCCCTCTCGACTCC
GTCACCGACATCCTGGGCATCCGCTCCATCACCAGCAAGTGAGCGACAGCTCCCCCTAC
CACAGCCCCAAGGTGGAGGAGTGGAGCAGCCTGGGCCGCAACAATTCCCCGCCCGCCG
CCGCATGCGGTGAACGGGTTGGAGAAGGGAGCCCTGGAGCAGGAAGCCAAGTACGGTCAG
GCACCAATGGTCTCCAGCTGTGGCAGTTTTGTGTCAGCATCCAGCATGGCTCCTTAC
CCTACCCAGCCCAAGTGTCCGCTTACATGACCTACAGTGTCTCTTCTGTTATGTT
GCTGGACATGGGTGGCAACATGCTGGGGCACCTATTGTCTCCCCAACAAGTGTGACATT
CCGGCATCGTGGCGTTCAAGGGAATGCAGGCAGCCAGAGAAGGTAGTCATTCTGTCACG
GCTTCCGCGCTCTGATGGGAAATCCGCTCTCCAGCAGCTTACCCGGGTCTCCCTGTCTC
AGCACCTCTCCCCAATTCCCAGGTCTCACATCCCACCCCTCTGCCCTCCAACCCCTTC
TGCTTGAAGCTGGCTGTACGGACTCACATCCTTTGTGCTAATGACACTTACATATTTT
TTGCCATAAATTTTCTTTCAGAAAAACTGACATGACTTTAGGATTTAAAAACAAGAGC
AACAATAAGCATTGAATGAGACATTTGTGTTGCCACATACTGTCTTAACATAACAAAGA
AACCTACACCCCTCAAAGGGTTTAAAGAACTTTACAACTAGTCTTTGGTAAAACCAT
GTGTATATTTATTCTAAATCAACCTGAATTTTGAATGTGAATTTGAGATTTTGCA
AAATCAATAAAGGAAAATACTTATAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006194 unedited
NCGGGTTCAGATTTGTATACGACTCATATAGGCCGGCCGGAATTCGCACGAGGAAGCCT
CTTTCATCGGGGCACAGACTTCCTTTTACTTCTTCTTTTGCCTCTCGCTCCTCCTCC
TGGGAAGAAGCGGAGGCCCGCGGTGCGCCGGGATAGCAACAGGCCGGGCCACTGAGGC
GGTGCAGAAAGTTTCTGTCTGGGAGTGCAGAACTGGGGCCGGTTGGTGTACTGCTCGGA
GCAATGGAGCCAGCCTTCGGGGAGGTGAACAGCTGGGAGGAGTGTTCGTGAACGGGAGG
CCGCTGCCCAACGCCATCCGGCTTCGCATCGTGGAACTGGCCAACTGGGCATCCGACCG
TGTGACATCAGCCGCCAGCTACGGGTCTCGCACGGCTGCGTCAGCAAGATCCTGGCGCGA
TACAACGAGACGGGCTCGATCTTGCCAGGAGCCATCGGGGGCAGCAAGCCCCGGTCACT
ACCCCCACCGTGGTGAACACATCCGGACCTACAAGCAGAGAGACCCCGGCATCTTCGCC
TGGGAGATCCGGGACCGCTGCTGGCGGACGGCGTGTGCGACAAGTACAATGTGCCCTCC
GTGAGCTCCATCAGCCGATTCTGCGCAACAAGATCGGCAACTTGGCCAGCAGGGTCAT
TACGACTCATAAAGCAGCACCAGCCGACGCCGAGCCAGCGCTGCCCTACAACCACATC
TACTCGTACCCAGCCCTATCACGGCGGGCCGCCAAGGTGCCACGCCACCCGGGGTG
CCTGCCATCCCCGTTCCGGTGGCCATGCCNNGCACTGGGCCTCCTNGNACTNCGTACCCG
ACATTCTGGGCATNCGCTCCATCACCAGCAAGTGAGCGACAGCTCCCCCTACCAAN

Restriction Sites: Please inquire
ACCN: NM_006194
Insert Size: 1683 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_006194.1 , NP_006185.1
RefSeq Size:	1630 bp
RefSeq ORF:	1026 bp
Locus ID:	5083
UniProt ID:	P55771
Cytogenetics:	14q13.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. Mice lacking this gene exhibit impaired development of organs, musculature and the skeleton, including absent and abnormally developed teeth, and neonatal lethality. Mutations in the human gene are associated with selective tooth agenesis-3. [provided by RefSeq, Sep 2015]