

Product datasheet for **SC126406**

CHRNA3 (BC006114) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHRNA3 (BC006114) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHRNA3
Synonyms:	Cholinergic receptor, neuronal nicotinic, alpha polypeptide-3; cholinergic receptor, nicotinic, alpha 3; cholinergic receptor, nicotinic, alpha polypeptide 3; LNCR2; MGC104879; neuronal nicotinic acetylcholine receptor, alpha3 subunit; PAOD2
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 BC006114 edited
GTCCTTCCCAGGGTGTGTTAGCGTCTCTCTACGGCGCCCGCCTAGCCCGGTGGTCCCAA
CCCCCTGCGGGAGCTGCACACGCCCGGAAACCTGGGACAGAACTGAGTCCCTCTCCTT
CCTGGTGGTGGTACAGCACCTGCTCAGATCTGGTCCGACGCCGCCGGCCGGAGCACCCA
GCCCGCGGAGAAAGGAGCTCGCCCGCGCTGGGACTGGGACCTGGAGCCCTTCCCCTA
CCGCACGTACGCCCGCCCGCGCACGCCCGCCCGCCCGCGCCTGGCGCAGTTCA
CTCCGGATGGTTCTGTCTCCCGCGGGTCCGAGGGCGCTGAAACCCAGCGGCGCGAA
GCGGAGAGGAGCCCGCGCGTCTCCGCCCGCACGGCTCCAGGTCTGGGGTCTGCGCTGGA
GCCGCGCGGGGAGAGGCCGTCTCTGCGACCGCCCGCGCCGCTCCCGACCGTCCGGGTCCG
CGGCCAGCCCGCCACCAGCCATGGGCTCTGGCCCGCTCTCGTGCCTGGCGTGTGCG
CCGCCCGGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCCAGTGGCCAGGGCCTCAGAG
GCTGAGCACCGTCTATTTGAGCGGCTGTTGAAGATTACAATGAGATCATCCGCCTGTA
GCCAACGTGTCTGACCCAGTCATCATCCATTTGAGGTGCCATGTCTCAGCTGGTGAAG
GTGGATGAAGTAAACCAGATCATGGAGACCAACCTGTGGCTCAAGCAAATCTGGAATGAC
TACAAGCTGAAATGGAACCCCTCTGACTATGGTGGGGCAGAGTTCATGCGTGTCCCTGCA
CAGAAGATCTGGAAGCCAGACATTGTGCTGTATAACAATGCTGTTGGGGATTTCCAGGTG
GACGACAAGACCAAAGCCTTACTCAAGTACACTGGGGAGGTGACTTGGATACCTCCGGCC
ATCTTTAAGAGCTCCTGTAAAATCGACGTGACCTACTTCCCGTTTGATTACAAAATGT
ACCATGAAGTTCCGGTTCCTGGTCTACGATAAGGCGAAAATCGATCTGGTCTGATCGGC
TCTTCCATGAACCTCAAGGACTATTGGGAGAGCGGCGAGTGGCCATCATCAAAGCCCCA
GGCTACAAACACGACATCAAGTACAACCTGCTGCGAGGAGATCTACCCGACATCACATAC
TCGCTGTACATCCGGCGCCTGCCCTTGTCTACACCATCAACCTCATCATCCCCTGCCTG
CTCATCTCCTTCCCTCACTGTGCTGCTCTTCTACCTGCCCTCCGACTGCGGTGAGAAGGTG
ACCCTGTGCATTTCTGTCTCCTCTCCCTGACGGTGTTCCTCCTGGTGATCACTGAGACC
ATCCCTTCCACCTCGCTGGTTCATCCCCCTGATTGGAGAGTACCTCCTGTTCAACATGATT
TTTGTAACCTTGTCCATCGTCATCACCGTCTTTCGTGCTCAACGTGCACTACAGAACCCCG
ACGACACACACAATGCCCTCATGGGTGAAGACTGTATTCTTGAACCTGCTCCCCAGGGTC
ATGTTTCATGACCAGGCCAACAAGCAACGAGGGCAACGCTCAGAAGCCGAGGCCCTCTAC
GGTGCCGAGCTCTCAAATCTGAATTGCTTCAGCCGCGCAGAGTCCAAAGGCTGCAAGGAG
GGCTACCCCTGCCAGGACGGGATGTGTGGTTACTGCCACCACCGCAGGATAAAAAATCTCC
AATTTTCAGTGCTAACCTCACGAGAAGCTCTAGTTCTGAATCTGTTGATGCTGTGCTGTCC
CTCTCTGCTTTGTCAACCAGAAATCAAAGAAGCCATCCAAAGTGCAAGTATATTGCTGAA
AATATGAAAGCACAAAATGAAGCCAAAGAGGAACAAAAGCCCAAGAGATCCAACAATTG
AAACGAAAAGAAAAGTCCACAGAAAATCCGATCAAGAACCTGGGCTATGAATTTCCAAT
CTTCAACAACCTGTTAGGAAAAAATAAAAATGCATTAATAATTGTAAAAAAAAAAAAAA
AAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for BC006114 unedited NAAGGTCGNCATTTGTATACGACTCATATAGGCGGACCGGAATTCGCACGAGGTCTTC CCAGGTGTGTTAGCGTCTCTCTACGGCGCCCGCTAGCCCGGTGGTCCCAACCCCTGC GGGAGCTGCACACGCCCCGAAACCTGGGACAGAACTGAGTCCCTCTCCTTCTGGTGG TGGTGACAGCACCTGCTCAGATCTGGTCGGACGCCCGCCGGAGCACCAGCCCGGCG GAGAAGGAGCTCGCCCGCGCTGGGACTGGGACCTGGAGCCCTTCCCCTACCGCACGT ACGCCCCGCCCGCGCACGCCCCGCCCGCCCGCCCTGGCGCAGTTCACTCCGGAT GGTTCTGTCTCCCGCGGGTCCGAGGGCGCTGGAACCCAGCGCGGCGAAGCGGAGAG GAGCCCCGCGCGTCTCCGCCCGCACGGCTCCAGGTCTGGGGTCTGCGCTGGAGCCGCGG GGGAGAGGCCGTCTGCGACCGCCGCGCCCGCTCCCGACCGTCCGGGTCCGCGGCCAGC CCGGCCACCAGCCATGGGCTCTGGCCCGCTCTCGCTGCCCTGGCGCTGTCGCGCCGCG GCTGCTGCTGCTGCTGCTGCTGCTGCTGCCAGTGGCCAGGGCCTCAGAGGCTGAGCA CCGTCTATTTGAGCGGCTGTTTGAAGATTACAATGAGATCATCCGCCTGTAGCCAACGT GTCTGACCCAGTCATCATCCATTTGAGGTGTCCATGTCTCAGCTGGTGAAGGTGGATGA AGTAAACCAGATCATGGAGACCAACCTGTGGCTCAAGCAAATCTGNAATGACTACAGCT GAAATGGAACCCCTCTGACTATGGTGGGCGAGAGTTCATGCGTGTCCCTGCACAGAAGAT CTGGAAGCCAGA
Restriction Sites:	Please inquire
ACCN:	BC006114
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:	BC006114.1 , AAH06114.1
RefSeq Size:	2046 bp
RefSeq ORF:	1467 bp
Locus ID:	1136
Cytogenetics:	15q25.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

Gene Summary:

This locus encodes a member of the nicotinic acetylcholine receptor family of proteins. Members of this family of proteins form pentameric complexes comprised of both alpha and beta subunits. This locus encodes an alpha-type subunit, as it contains characteristic adjacent cysteine residues. The encoded protein is a ligand-gated ion channel that likely plays a role in neurotransmission. Polymorphisms in this gene have been associated with an increased risk of smoking initiation and an increased susceptibility to lung cancer. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2009]