

Product datasheet for **SC328806**

CHRNA3 (NM_001166694) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHRNA3 (NM_001166694) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHRNA3
Synonyms:	BAIPRCK; LNCR2; NACHRA3; PAOD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC328806 representing NM_001166694.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCTCTGGCCCGCTCTCGCTGCCCTGGCGCTGTGCGCGCCGGCTGCTGCTGCTGCTGCTGCTG
TCTCTGCTGCCAGTGGCCAGGGCCTCAGAGGCTGAGCACCGTCTATTTGAGCGGCTGTTGAAGATTAC
AATGAGATCATCCGGCCTGTAGCCAACGTGTCTGACCCAGTCATCATCCATTTTCAGGTGTCATGTCT
CAGCTGGTGAAGGTGGATGAAGTAAACCAGATCATGGAGACCAACCTGTGGCTCAAGCAAATCTGGAAT
GACTACAAGCTGAAATGGAACCCCTCTGACTATGGTGGGGCAGAGTTCATGCGTGTCCCTGCACAGAAG
ATCTGGAAGCCAGACATTGTGCTGTATAACAATGCTGTTGGGGATTTCCAGGTGGACGACAAGACCAAA
GCCTTACTCAAGTACACTGGGGAGGTGACTTGGATACCTCCGGCCATCTTTAAGAGCTCCTGTAATAATC
GACGTGACCTACTTCCCCTTTGATTACCAAAAAGTACCATGAAGTTCGGTTCCTGGTCTACGATAAG
GCGAAAATCGATCTGGTCTGATCGGCTCTCCATGAACCTCAAGGACTATTGGGAGAGCGGCGAGTGG
GCCATCATCAAAGCCCCAGGCTACAAACACGACATCAAGTACAACCTGCTGCGAGGAGATCTACCCCGAC
ATCACATACTCGCTGTACATCCGGCGCCTGCCCTTGTCTACACCATCAACCTCATATCCCTGCCCTG
CTCATCTCCTTCCCTCACTGTGCTCGTCTTCTACCTGCCCTCCGACTGCGGTGAGAAGGTGACCCCTGTGC
ATTTCTGTCTCCTCTCCCTGACGGTGTCTCCTGGTGTACTGAGACCATCCCTTCCACCTCGCTG
GTCATCCCCCTGATTGGAGAGTACCTCCTGTTACCATGATTTTTGTAACCTTGCCATCGTCATCACC
GTCTTCGTGCTCAACGTGCACTACAGAACCCCGACGACACACACAATGCCCTCATGGGTGAAGACTGTA
TTCTTGAACCTGCTCCCCAGGGTCATGTTATGACCCAGGCCAACAAAGCAACGAGGCAACGCTCAGAAG
CCGAGGCCCTCTACGGTGCCGAGCTCTCAAATCTGAATTGCTTCAGCCGCGCAGAGTCCAAAGGCTGC
AAGGAGGGCTACCCCTGCCAGGACGGGATGTGTGGTACTGCCACCACCGCAGGATAAAAATCTCCAAT
TTCAGTGCTAACCTCACGAGAAGCTCTAGTTCTGAATCTGTTGATGCTGTGCTGTCCCTCTGCTTTG
TCACCAGAAATCAAAGAAGCCATCCAAAGTGCAAGTATATTGCTGAAAATATGAAAGCACAAAATGAA
GCCAAAGAGGAACAAAAAGCCCAAGAGATCCAACAATTGAAACGAAAAGAAAAGTCCACAGAAACATCC
GATCAAGAACCTGGGCTATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: Sgfl-Mlul

ACCN: NM_001166694

Insert Size: 1470 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).

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_001166694.1
RefSeq Size:	2040 bp
RefSeq ORF:	1470 bp
Locus ID:	1136
UniProt ID:	P32297
Cytogenetics:	15q25.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
MW:	55.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a distinct C-terminus and is shorter than isoform 1.</p>