

Product datasheet for **SC122160**

CHRNA3 (NM_000743) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHRNA3 (NM_000743) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHRNA3
Synonyms:	BAIPRCK; LNCR2; NACHRA3; PAOD2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC122160 sequence for NM_000743 edited (data generated by NextGen Sequencing)

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ATGGGGCTCTGGCCCGCTCTCGCTGCCCTGGCGCTGTCGCCGCCGCGGCTGCTGCTGCTG
CTGCTGCTGTCTCTGCTGCCAGTGGCCAGGGCCTCAGAGGCTGAGCACCGTCTATTTGAG
CGGCTGTTGAAGATTACAATGAGATCATCCGGCCTGTAGCCAACGTGTCTGACCCAGTC
ATCATCCATTTTCGAGGTGCCATGTCTCAGCTGGTGAAGTGGATGAAGTAAACCAGATC
ATGGAGACCAACCTGTGGCTCAAGCAAATCTGGAATGACTACAAGCTGAAGTGGAAACCC
TCTGACTATGGTGGGGCAGAGTTTCATGCGTGTCCCTGCACAGAAGATCTGGAAGCCAGAC
ATTGTGCTGTATAACAATGCTGTTGGGGATTTCCAGGTGACGACAAGACCAAAGCCTTA
CTCAAGTACACTGGGGAGGTGACTTGGATACCTCCGGCCATCTTTAAGAGCTCCTGTAAA
ATCGACGTGACCTACTTCCCGTTTGATTACCAAACTGTACCATGAAGTTCGGTTCCTGG
TCCTACGATAAAGGCGAAAATCGATCTGGTCTGATCGGCTCTTCCATGAACCTCAAGGAC
TATTGGGAGAGCGGCGAGTGGGCCATCATCAAAGCCCCAGGCTACAAACACGACATCAAG
TACAACTGCTGCGAGGAGATCTACCCCGACATCACATACTCGCTGTACATCCGGCGCCTG
CCCTTGTCTACACCATCAACCTCATCATCCCCTGCCCTGCTCATCTCCTCCTCACTGTG
CTCGTCTTCTACCTGCCCTCCGACTGCGGTGAGAAGGTGACCCTGTGCATTTCTGTCCCT
CTCTCCCTGACGGTGTTCCTCGGTGATCACTGAGACCATCCCTTCCACCTCGCTGGTC
ATCCCCCTGATTGGAGAGTACCTCCTGTTACCATGATTTTTGTAACTTGTCCATCGTC
ATCACCGTCTTCGTGCTCAACGTGCACTACAGAACCCCGACGACACACAATGCCCTCA
TGGGTGAAGACTGATTTCTTGAACCTGCTCCCCAGGGTCAATGTTTCATGACCAGGCCAACA
AGCAACGAGGGCAACGCTCAGAAGCCGAGGCCCTCTACGGTGGCAGCTCTCAAATCTG
AATTGCTTCAGCCGCGCAGAGTCCAAAGGCTGCAAGGAGGGTACCCCTGCCAGGACGGG
ATGTGTGGTTACTGCCACCACCGCAGGATAAAAATCTCCAATTTTCAGTGTAACTCAAC
AGAAGCTCTAGTTCTGAATCTGTTGATGCTGTGCTGTCCCTCTCTGCTTTGTACCAGAA
ATCAAAGAACCCATCAAAGTGTCAAGTATATTGCTGAAAATATGAAAGCACAAAATGAA
GCCAAAGAGATTCAAGATGATTGGAAGTATGTTGCCATGGTGATTGATCGTATTTTTCTG
TGGGTTTTACCCCTGGTGTGCATTCTAGGGACAGCAGGATTGTTTCTGCAACCCCTGATG
GCCAGGGAAGATGCATAA
    
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Clone variation with respect to NM_000743.4
291 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000743 unedited

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ATCAAATATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGGTCTCC
CGCGNGTCCGAGGGGCGCTGGNAAACCCAGCGGCGCGAAGCGGAGAGGAGCCCCGCGC
GTCTCCGCCCGCACGGCTCCAGGTCTGGGGTCTGCGCTGGAGCCGCGGGGAGAGGCCG
TCTCTGGACCCGCGCCCGCTCCCGACCGTCCGGGTCCGCGGCCAGCCCGGCCACCCAG
CCATGGGCTCTGGCCCGCTCTCGCTGCCCTGGCGCTGTGCGCCGCGCGGCTGCTGCTGC
TGCTGCTGCTGTCTGTGCTGCCAGTGGCCAGGGCCTCAGAGGCTGAGCACCGTCTATTTG
AGCGGCTGTTGAAGATTACAATGAGATCATCCGGCCTGTAGCCAACGTGTCTGACCCAG
TCATCATCCATTTTCGAGGTGTCCATGTCTCAGCTGGTGAAGTGGATGAAGTAAACCAGA
TCATGGAGACCAACCTGTGGCTCAAGCAAATCTGGAATGACTACAAGCTGAAGTGGAAAC
CCTCTGACTATGGTGGGGCAGAGTTCATGCGTGTCCCTGCACAGAAGATCTGGAAGCCAG
ACATTGTGCTGTATAACAATGCTGTTGGGGATTTCCAGGTGGACGANCAGACCAAAGCCT
TACTCAGTACACTGGGGAGGTGACTTGGGATACCTNCGGCCATCTTNAGAGCTCCTG
GTAAATCGACGTGACCTACTTCCGTTTGATTACCCAAAATGTGCCCTGAAATTCGGGG
TCCTGGTGCCTACAATAAGGCAAAAATCGATCCTGGTCTGATCCGGCTCTTCCATGACC
CTCCAGAACCTATGGGAGAAGCGGCGAATGGGCCATTATAAAACCCCGGGCTACAAAC
ACCAAATTAGGTCCAACCTGGTTGGAAGGGAATCTTCCCGCT
    
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Restriction Sites:

Please inquire

ACCN:

NM_000743

Insert Size:	1518 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_000743.2 , NP_000734.2
RefSeq Size:	3020 bp
RefSeq ORF:	1518 bp
Locus ID:	1136
UniProt ID:	P32297
Cytogenetics:	15q25.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
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 (1) represents the longer transcript and encodes the longer isoform (1).</p>