

Product datasheet for **SC330456**

CHRN4 (NM_001256567) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CHRN4 (NM_001256567) Human Untagged Clone
Tag: Tag Free
Symbol: CHRN4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330456 representing NM_001256567.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

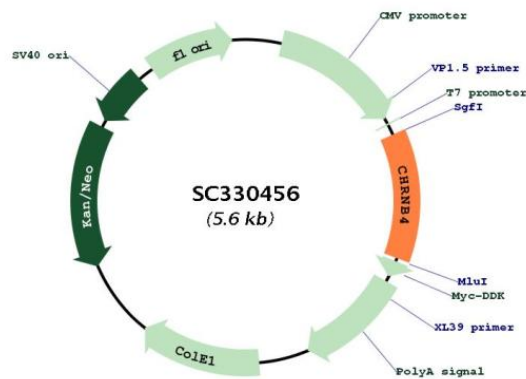
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ATGAGGCGCGCGCCTTCCTGGTCCTTTTCTTCCTGGTCGCCCTTTCGCGGCGCGGGAAGTCCCGGTG
GCCAATGCGGAGGAAAAGCTGATGGACGACCTTCTGAACAAAACCCGTTACAATAACCTGATCCGCCCA
GCCACCAGCTCCTCACAGCTCATCTCCATCAAGCTGCAGCTCTCCCTGGCCAGCTTATCAGCGTGAAT
GAGCGAGAGCAGATCATGACCACCAATGTCTGGCTGAAACAGGAATGGACTGATTACCGCCTGACCTGG
AACAGCTCCCGCTACGAGGGTGTGAACATCCTGAGGATCCCTGCAAAGCGCATCTGGTTGCCTGACATC
GTGCTTTACAACAAGTCGTTGAGGACTGGAAGTACGTGGCTATGGTGGTGACCGGCTGTTCTGTGGG
TGTTTCATGTTTGTGTGCGTCTGGGCACTGTGGGGCTCTTCTACGCCCCCTTCCAGACCCATGCAG
CTTCTGAGGGGCCCTACGCTGCCAGCGTGACTGAGGGCCCCCTGGGTTGTGGGGTGAGAGGATGTGAG
TGGCCGGGTGGGCACTTTGCTGCTTCTTTCTGGGTTGTGGCTGATGAGGCCCTAAGTAAATATGTGAGC
ATTGGCCATCAACCCATCAAACCAGCCACAGCCGTGGAACAGGCAAGGATGGGGCCTGGGCTGTCCT
CTCTGA
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_001256567

Insert Size: 696 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:

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_001256567.1](#)

RefSeq Size: 1469 bp

RefSeq ORF: 696 bp

Locus ID: 1143

UniProt ID: [P30926](#)

Cytogenetics: 15q25.1

Protein Families: Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

MW: 25.9 kDa

Gene Summary: This gene is found within a conserved gene cluster and encodes one of the beta subunits of the nicotinic acetylcholine receptor (nAChRs) superfamily which form ligand-gated ion channels with a central pore that forms a cation channel. Neuronal nAChRs are pentameric structures that can be either homomeric or heteromeric, with heteromeric structures containing both alpha and beta subunits. Each subunit contains an extracellular amino terminus and four transmembrane domains. Nicotine is one of the agonists that binds to the receptor. Variants in this gene have been associated with nicotine dependence and lung cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2017]

Transcript Variant: This variant (2) lacks an alternate exon in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2) with a distinct C-terminus, compared to isoform 1.