

Product datasheet for **RG211880**

CHRNA9 (NM_017581) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHRNA9 (NM_017581) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CHRNA9
Synonyms:	HSA243342; NACHRA9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG211880 representing NM_017581
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGTGGTCCCATTCTGCATCTCCTTTTGGCTGGATCTACTTTGCTGCTTCCAGACTGAGAGCTGCAG
 AGACGGCAGATGGAAAATATGCTCAGAAGTTGTTAATGACCTTTTTGAAGATTATTCTAATGCTCTTCG
 TCCAGTGAAGATACAGATAAAGTCTGAATGTGACCCTGCAGATTACGCTCTCTCAGATTAAGGATATG
 GATGAAAGAAACCAAATTCTGACTGCTTATTTGTGGATCCGCCAAATCTGGCAGGATGCCTATCTCACGT
 GGGACCGAGATCAGTACGATGGCCTAGACTCCATCAGGATCCCCAGTGACCTCGTGTGGAGGCCAGACAT
 CGTCTTATATAACAAGGCTGATGATGAATCTTCAGAGCCTGTGAACACCAATGTGGTCTGCGGTATGAT
 GGGCTGATCACCTGGGATGCACCGGCCATACCAAAAAGCTCCTGTGTGGTGGATGCACCTACTTCCCTT
 TTGACAACCAGCAGTGAACCTGACTTTTGGTTCTGGACCTACAATGGCAATCAGGTGGACATATTCAA
 CGCCTTGGACAGCGGAGATCTCTGACTTCATTGAAGATGTGGAATGGGAGGTCCATGGCATGCCCGCT
 GTGAAGAATGTGATCTCCTATGGCTGCTGCTCTGAGCCTTACCCGGATGTCACATTACCCCTCCTTCTGA
 AGAGGAGTCTCGTCTATATCGTCAACCTCCTCATCCCATGCGTCTCATATCTTTTCTGGCTCCTCT
 GAGTTTTTATCTCCAGCAGCCTCCGGAGAAAAGGTCTCCTGGGAGTGACCATCCTGTTGGCCATGACT
 GTATTTACGTAATGGTGGCAGAAATCATGCCGCCTCAGAAAATGTGCCCTGATAGGTAATACTACA
 TAGCCACGATGGCCCTGATCACAGCCTCCACTGCGTTGACCATCATGGTATGAATATCCACTTCTGTGG
 GGCCGAGGCCCGCCGGTCCACACTGGGCCAGGGTGGTATCCTGAAAATACATGTCCAGGGTCTTGT
 GTCTATGATGTGGGTGAAAGTGCCTCAGCCCCACCACAGTAGAGAGCGGGACCACCTCACGAAAGTTT
 ATAGAAAATCCAGAGTCTAACCTGAAAGCAGCCAGGAACAAAGACCTTCCAGAAAGAAGGACATGAA
 CAAACGCTTAAAGAACGACCTGGGCTGCCAGGGTAAGAACCCTCAGGAGGCCGAGAGTTACTGTGCACAG
 TACAAAGTGTGACGAGGAATATTGAGTACATCGCCAAGTGCCTCAAAGACCACAAGGCCACCAGTTCCA
 AGGGGAGTGAATGGAAGAAGGTGGCGAAAGTCATAGACCGATTCTTCATGTGGATTTTTTTCATTATGGT
 GTTTGTGATGACTATTTTATCATAGCAAGAGCGGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG211880 representing NM_017581
 Red=Cloning site Green=Tags(s)

MNWSHSCISFCWIYFAASRLRAAETADGKYAQLFNDFEDYSNALRPVEDTDKVLNVTLQITLSQIKDM
 DERNQILTAYLWIRQIWHDAYLTWDRDQYDGLDSIRIPSDLVWRPDIIVL YNKADDESSEPVNTNVVLRD
 GLITWDAPAITKSSCVVDVYFPFDNQCNLTFGSWTYNGNQVDIFNALDSGDLSDFIEDVEVEVHGMPA
 VKNVISYGCCSEYPDVTFLLLRSSFYIVNLLIPCVLISFLAPLSFYLPAAASGEKVS LGVTILLAMT
 VFQLMVAEIMPASENVPLIGKYIATMALITASTALTIMVMNIHFCAEARPVPHWARVVILKYMSRVLF
 VYDVGESCLSPHHSRERDHLTKVYSKLPESNLKAARNKDL SRKKDMNKRLKNDLGCGKPNPQEAESYCAQ
 YKVLTRNIEYIAKCLKDHKATSSKGSEWKVAKVIDRFFMWIFFIMVFVMTILIIARAD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_017581

ORF Size: 1437 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_017581.1](#)

RefSeq Size: 1892 bp

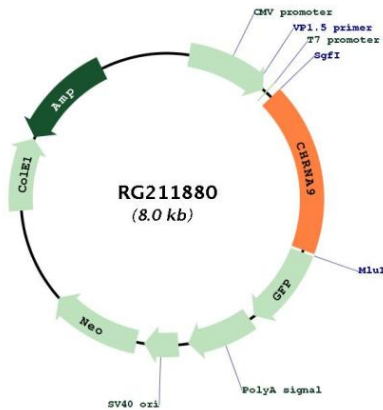
RefSeq ORF: 1440 bp

Locus ID: 55584

UniProt ID: [Q9UGM1](#)

Cytogenetics:	4p14
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Gene Summary:	This gene is a member of the ligand-gated ionic channel family and nicotinic acetylcholine receptor gene superfamily. It encodes a plasma membrane protein that forms homo- or hetero-oligomeric divalent cation channels. This protein is involved in cochlea hair cell development and is also expressed in the outer hair cells (OHCs) of the adult cochlea. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RG211880