

Product datasheet for **MG223056**

Chrna9 (NM_001081104) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna9 (NM_001081104) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chrna9
Synonyms:	2410015I05Rik; Acra9; EG666827; Gm8311
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG223056 representing NM_001081104
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCGGCCCATCCCTGCATCTCCTTTTGGCTGGATGTATTTTCTGCTTCTGGAATCAAAGCCGTAG
 AGACAGCAAATGGAAAGTATGCCAGAAATTGTTAGCGATCTTTTGAAGACTACTCCAATGCTCTGCG
 TCCAGTAGAAGATACGGACGCGGTGCTGAACGCTACTCTGCAGGTCACGCTCTCCAGATAAAGGACATG
 GACGAGAGAAATCAGATTCTGACAGCCTACCTGTGGATCCGCCAAACTTGGCAGCATGCGTACCTCACGT
 GGGATCGAGACCAGTATGACGGCTGGACTCCATCAGGATCCCAGCGATCTGGTGTGGAGGCCGGACAT
 TGTCTCTACAACAAGGCCGATGACGAGTCTCAGAGCCGGTGAACACCAACGTGGTCTGCGGTACGAT
 GGGCTCATCACCTGGGACTCACCAGCCATACCAAAAAGCTCCTGTGTGGTGGATGCACCTATTTCCCT
 TCGACAGCCAGCAGTGAACCTGACCTTTGGTTCTGGACCTACAATGGGAACAGGTGGACATATTCAA
 TGCCCTGGACAGTGGTACCTCTGACTTCATTGAAGACGTGGAATGGGAGTTAGGGCATGCCTGCC
 GTGAAGAACGTCATCTCCTACGGCTGCTGCTCGGAGCCTTACCCAGACGTCACCTTCACTCTCCTTCTGA
 AGAGGAGGTCTTCTTTACATTGTCAACCTCCTCATCCCTTGCCTCATATCGTTTCTCGCTCCGCT
 GAGTTTCTACCTCCAGCAGCCTCCGGGGAGAAGGTCTCTCTGGGAGTGACCATCTATTGGCCATGACT
 GTATTTACGATAATGGTGGCAGAGATCATGCCAGCCTCAGAAAACGTCCCTCTGATAGGAAAATACTACA
 TAGCTACCATGGCCTTGATCACCGCTCCACAGCCCTTACCATCATGGTATGAATATCCACTTCTGTGG
 GGCGGAAGCCCGCCAGTACCACACTGGGCAAGGTGGTATCCTGAAATACATGTCCAGGATCTTGTTT
 GTCTACGATGTGGGTGAGAGCTGCCTTAGCCCCGTACAGCCAGGAGCCAGAACAAATCACGAAGGTTT
 ATGGCAAACCTCCAGGGTCCAACCTGAAAGCATCCAGAAAACAAAGACCTTCCAGAAAAGAAGGAAGT
 AAAACTCTAAAGAATGACCTAGGGTACCAGGGTGGGATCCCCCAGAATACTGACAGCTACTGTGCACGC
 TATGAAGCACTGACAAAAAATATTGAATACATTGCCAAATGTCTCAAGGACCACAAGGCCACCAACTCCA
 AGGGCAGCGAGTGAAGAAGGTCGCAAGGTCATAGACCGTTTCTTATGTGGATTTTCTCGCTATGGT
 GTTTGTCATGACCGTCTTGATCATAGCAAGAGCAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG223056 representing NM_001081104
 Red=Cloning site Green=Tags(s)

MNRPHPCISFCWYFAASGIKAVETANGKYAQKLFSDLFEDYSNALRPVEDTDAVLNVTLQVTLISQIKDM
 DERNQILTAYLWIRQTHDAYL TWDRDQYDGLDSIRIPSDLVWRPDI VL YNKADDESSEPVNTNVVLRD
 GLITWDSPAITKSSCVVDVYFPFDSQQCNLTFGSWTYNGNQVDIFNALDSGDLSDFI EDVEVEVQGMPA
 VKNVISYGCCSEPYDVTFTLLKRRSSFYIVNLLIPCVLISFLAPLSFYLPAAASGEKVS LGVTILLAMT
 VFQLMVAEIMPASENVPLIGKYIATMALITASTALTIMVMNIHF CGAEARPVPHWAKVVILKYMSRILF
 VYDVGESCLSPRHSQEPEQITKVYVKLPKSNL KASRNKDL SRKKELRKLKNDLGYQGGIPQNTDSYCAR
 YEALTKNIEYIAKCLKDHKATNSKGSEWKVAKVIDRFFM WIFFAMVFVMTVLIIARAD

TRTRPLE - GFP Tag - V

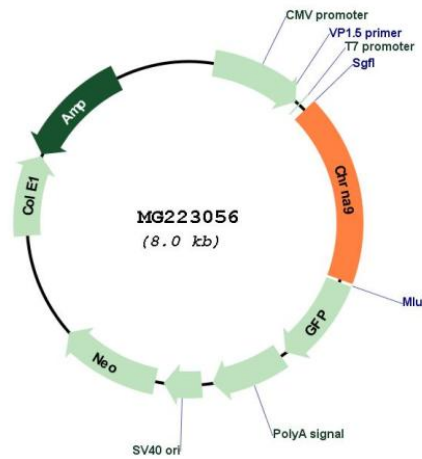
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001081104

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_001081104.1](#), [NP_001074573.1](#)

RefSeq Size: 2003 bp

RefSeq ORF: 1440 bp

Locus ID: 231252

Cytogenetics: 5 33.84 cM