

## Product datasheet for **RR207581**

### Chrn3 (NM\_133597) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Chrn3 (NM\_133597) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Chrn3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207581 representing NM\_133597  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAGGCTTCCTAAGGGTCTTCTTGGTTCTCAGTGCCACTCTCTCAGGTTCTGGGTGACTCTTACGG  
CCACTGCAGGACTCAGCTCAGTGGCTGAACACGAAGACGCACTCCTCAGACATTTGTTCCAAGTTACCA  
GAAATGGGTCGGCCCTGTGTTGAATCCAGTGACATCAAAAAGTGTATTTGGATTAAAAATATCCCAG  
CTTGTGGATGTGGATGAAAAGAATCAGCTGATGACGACAAATGTGTGGCTGAAGCAGGAATGGACAGACC  
AAAAATTACGCTGGAATCCGGAAGAATATGGTGAATTAATTCGATAAAGGTTCCATCAGAATCGCTCTG  
GCTGCCGGACATAGTTCTCTTTGAAAATGCTGACGGACGTTTTGAGGGCTCCCTCATGACCAAGGCCATT  
GTGAAGTCCAGTGAACCGTCCAGCTGGACTCCTCCGCCAGCTACAAGAGTTCTGCACCATGGATGTCA  
CATTTTTCCCGTTCGACAGGCAGAACTGCTCGATGAAGTTGGATCCTGGACTTACGACGGTACCATGGT  
TGACCTCATTCTAATCAATGAAAACGTTGACCGGAAAGACTTTTTGATAACGGAGAGTGGGAGATACTC  
AACGCAAAGGGGATGAAGGGCAACAGAAGAGAAGGCTTTTACTCCTATCCGTTTGTACCTACTCTTTTG  
TCCTGAGACGCCCTGCCCTTGTGTTTACACGCTCTTTTTGATAATCCCTGCCTGGGGTTGTCTTTTCTCAC  
GGTCTGGTGTCTACCTACCCTCGGACGAAGGGGAAAACTCTCATTATCCACCTCCGTTTGGTCTCT  
TTGACGGTGTCTTTTGTGATTGAAGAAATAATCCCGTCTCTTGAAGGTCATCCCCCTCATTGGCG  
AGTACCTCCTCTTATTGATTTTGTGACGCTGTCTATTATCGTCACGGTTTTTGAATTAATGTCCA  
CCACAGATCTTCTCAACGTACCATCCCATGGCCCCCTGGGTGAAGAGGCTGTTTCTACAAAGACTCCCCG  
AGATGGCTTTGCATGAAGGACCCATGGACCGCTTCTCTTTCCCGGATGGAAAGGAGAGTGATACAGCCG  
TGAGGGGGAAAGTCTCAGGCAAAAGGAAACAGACTCCCGCCAGCGATGGAGAAAGAGTTCTGGTCTGCTT  
CCTCGAGAAGGCCCTCCGAGTCCATCAGATACATTTGAGGCATGTGAAAAAGGAACACTTCATCAGCCAG  
GTAGTGAAGACTGGAATTTGTGGCTCAAGTTCTGGACCGCATCTTCTGTGGCTCTTTCTGATAGCTT  
CTGTGTTGGGTTCCATTCTGATTTTTATTCCAGCCTTGAAGATGTGGATACATCGTTTCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207581 representing NM\_133597  
 Red=Cloning site Green=Tags(s)

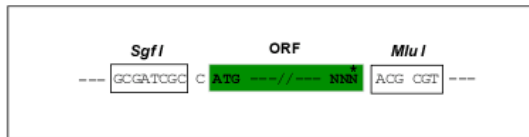
MTGFLRVFLVLSATLSGSWVTLTATAGLSSVAEHEDALLRHLFQGYQKWVRPVLNSSDIKVVYFGLKISQ  
 LVDVDEKNQLMTTNVWLKQEWTDQKLRWNPEEYGGINSIKVPSESLWLPDI VLFENADGRFEGSLMTKAI  
 VKSSGTVSWTPPASYKSSCTMDVTFPPFDRQNCMKFGSWTYDGMTVDLILINENVDRKDFFDNGEWEIL  
 NAKGMKGNRRREGFYSPFVTYSFVLRRLPLFYTLFLIIPCLGLSFLTVLVFYLPDSEGEKLSLSTSVLVS  
 LTVFLLVIEEIIIPSSSKVIPLIGEYLLFIMIFVTLIIIVTVFVINVHRSSTYHPMAPWVKRFLQRLP  
 RWLCMKDPMDRFSFPDGKESDTAVRGKVS GKRKQTPASDGERVLVAFLEKASESIRYISRHVKKEHFISQ  
 VVQDWKFVAQVLDRIFLWLFLIASVLGSILIFIPALKMWIHRFH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

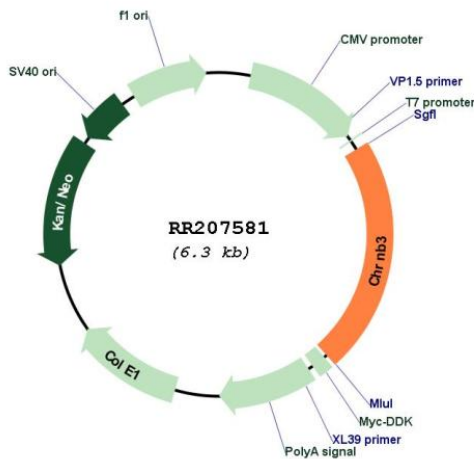
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_133597
<b>ORF Size:</b>	1392 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_133597.1</a> , <a href="#">NP_598281.1</a>
<b>RefSeq Size:</b>	2644 bp
<b>RefSeq ORF:</b>	1395 bp
<b>Locus ID:</b>	171131
<b>UniProt ID:</b>	<a href="#">P12391</a>
<b>Cytogenetics:</b>	16q12.3
<b>MW:</b>	53.3 kDa
<b>Gene Summary:</b>	nicotinic acetylcholine receptor subunit beta 3 [RGD, Feb 2006]