

Product datasheet for **RN202164**

Chrna7 (NM_012832) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna7 (NM_012832) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chrna7
Synonyms:	BTX; nAChRa7; NARAD
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202164 representing NM_012832
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCGCGGGCGGGGAGGCATCTGGCTGGCTCTGGCCGCGCGCTGCTGCACGTGTCCTGCAAGGCG
AGTTCAGAGGAGGCTGTACAAGGAGCTGGTCAAGAACTACAACCCGCTGGAGAGCCGGTGGCCAACGA
CTCGCAGCCGCTCACCGTACTTCTCCCTGAGTCTCCTGCAGATCATGGATGTGGATGAGAAGAACC
GTTTTAACCAACATTTGGCTACAAATGTCTTGGACAGATCACTATTTGCAGTGAACATGTCTGAGT
ACCCCGGAGTGAAGAATGTTCTGTTTTCCAGATGGCCAGATTTGGAACCAGACATTTCTCCTATAACAG
TGCTGATGAGCGCTTTGATGCCACGTTCCACCAATGTTTTGGTGAATGCATCTGGGCATTGCCAGTAT
CTCCCTCCAGGCATATCAAGAGCTCCTGCTACATTGACGTTGCTGGTTCCTTTTGATGTGCAGCAGT
GCAAACGAAGTTGGGCTCTGCTATGGAGGGTGGTCACTGGACCTGCAAATGCAAGAGGCAGATAT
CAGCAGCTATATCCCAACGGAGAATGGGATCTCATGGGAATCCCTGGCAAAGGAATGAGAAGTTCTAT
GAGTGTGCAAGAGCCATACCCAGATGTACCTACACAGTAACCATGCGCCGTAGGACACTCTACTATG
GCCTCAATCTGCTCATCCCTTGTACTCATTTAGCCCTGGCTCTGCTGGTATTCTTGCTGCCTGCAGA
CTCTGGAGAGAAAATCTCTTTGGAATAACTGTCTTACTTTCTCTGACTGTCTTCATGCTGCTTGTGGCT
GAGATCATGCCAGCAACATCTGATTCTGTGCCCTTGATAGCACAATACTCGCCAGCACCATGATCATCG
TGGGCCTCTGTAGTGGTGACAGTGATTGTGCTGAGATATCACCACCATGACCTGATGGTGGCAAAT
GCCTAAGTGGACCAGAATCATTCTCTGAACTGGTGTGCATGGTTTCTGCGCATGAAGAGGCCGGAGAG
GACAAGGTGCGGCCAGCTTGTGAGCACAAGCCTCGGCCGCTGCAGCCTGGCCAGTGTGGAGCTGAGTGCAG
GTGCTGGGCCACCACCAGCAATGGCAACCTGCTACATTGGCTTCCGAGGCCTGGAGGGCATGCACTG
TGCCCCAACTCCAGACTCTGGGGTCGTATGTGGCCGTTTGGCCTGCTCCCAACACATGATGAGCACCTC
ATGCACGGTGCACACCCCTCTGATGGGGACCCGACCTGGCCAAGATCCTGGAGGAGTCCGCTACATCG
CCAACCGCTTCCGCTGCCAGGACGAGAGTGAGGTGATCTGCAGTGAATGGAAGTTTGCAGCCTGCGTGGT
GGACCGCTTGTGCCTCATGGCCTTTTCGGTCTTACCATCATCTGTACCATCGGCATCCTCATGTGACGT
CCAAACTTGTGGAGGCTGTGTCCAAAGACTTTGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_012832

Insert Size: 1509 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_012832.3](#), [NP_036964.3](#)

RefSeq Size: 1509 bp

RefSeq ORF: 1509 bp

Locus ID: 25302

UniProt ID: [Q05941](#)

Cytogenetics: 1q22

Gene Summary: subunit of nicotinic acetylcholine receptor; may mediate nicotine induced increase in tyrosine hydroxylase expression; may play a role in neuroprotection [RGD, Feb 2006]