

Product datasheet for **MG215705**

Pcnx4 (NM_026327) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Pcnx4
Synonyms:	1810048J11Rik; 4932413O10; AU017192; Pcnxl4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215705 representing NM_026327
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAAGTATGAGTTCAGATGTCCTCTGCTAAATGATTACAAACAGGACTTCCTGCTGAAGCGCTTTC
CACAGACTGTTCTTGGAGGCCCTCGACTCAAACCTAGGCTACTGTGCCCTCCTTACATATATGTTAATCA
GATTGTCTTTTCTGATGCCATGGCCCTTAGGTGGAACGGGAACGCTTCTATACCAACTGGATATCCTG
AGAGACTATACTGCAGCCGCGCTTTCAGGAGGACTAATGGTGTTCCTGCGGCTGTCCAGCTCATAA
GCGTGTACGCCAGGAGCAAGTCGGTGGTGGTCAGGAGGATGCGAACCCAGGGATATCTTAGCAGAGGAAGA
CCAGCACGAATTTACAAGTTGTGCTGGTGTGAGACCGTCAAATTTCTGATTCTGGCAAAAAATATGTA
GCCAATACAGTTTTTCTGTTCTTGTGGGCTAGTGTGGTCTTGAACATGGTATTTGCTCCCAA
ACCGAGTAACCTTGCTGTATGGCAGCCCTGGGGCGACTGCTGTGCTCTTTGTGTTGGGTGGATAACACT
TTGCATAGGAGAATACTCACTCATTGTAACACCGCCACAGAGACAGCAACATTCCAGACCCAGGATACT
TACGAAATCACTCCTCATGAGACCACTTTATATTTTTTCTTTGTTTCTGTGGACCTTGACACAGGT
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CCTGTGGGCACTTGGGACTCTGCCCCACCTGACGCCCTTCTTTTGGGCAGTGGAGCAGGTTTTAGAG
TTTGGTCTTGGGGTTTCCATGTCACCTCACCTACGGTTATTGGTCATGTTTCATCGTTTTCTGCTGGAG
CAGCAGTCGTGCTACTTCTTCCAGCACCGTCGGAGTGGTCTTCTCATGACTGGACTCGGTTCTT
ACTGAGTCTTAACCAAGTGACGTGAGCATGGTCTTCCGGTACGGTGTGACCAGGCACAGGGTAGGAAGC
AGTCATGAGGCTCGCCAGGCAATTCAGGCCATTGGTTCCTGGTGAAGGAGTGTCTTCTGTTTCATCGCTG
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GGATTCACAGGGCTTTCAGAATGGTGTGGCAGAATACAGAACTGCTTTACTGGAGACTGTGGTGTAT



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 AAAGAAGTACCAACTGCCTCAGAGAGTACGAGAGAGACTGGTACATTGGCTTAGTGTCTGAAGAGCAGT
 GGAAGAGAGCAATTCTAGAAGAAAAGCCATGCTTGTCTGCCTGGGGTATGAGTCTAGTATGGGCGTTTA
 CACCTCGAGGGTGTGATGCTTCAAGAGATGTCGGTGCACATCGGGAAGCTGAACGCTGAGGCCGTTTCA
 GGTCACTGGGCCAACCTCTCGTGGGAAGTCTTATGCCACCAACGATGATGAGGAACGGTACAGCATCC
 AGGTCACCACTGCTGCTGAGGAACCTCACTGTACAAGCCGCTGACCCCTCCCTGGGATACCAATTTT
 CTCTTCAAACTCTCCCTATACATCTGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215705 representing NM_026327
 Red=Cloning site Green=Tags(s)

MGSMSDVPLLNDYKQDFLLKRFQTVLGGPRLKLYCAPPYIYVNIQIVLFLMPWALGGTGLLYQLDIL
 RDYTAALSGGLMVFTAAVIQLISVYARSKSVVVRMRTRDILAEEDQHEFTSCAGAETVKFLIPGKKYV
 ANTVFHSVLVAGLVCGLGTWYLLPNRVTLTYGSPGATAVLFVFGWITLCIGEYSLIVNTATETATFQTQDT
 YEITPLMRPLYIFFFVSVDLAHRFIVNIPALEQMNQILHILFVLLPFLWALGTLPPPDALLFWAVEQVLE
 FGLGSSMSTHLRLLVMFIVSAGAAVVSFYIPSTVGVVLFMTGLGFLLSLNPDSVSMVFRYGVTRHRVGS
 SHEARPGNSGHWF PWKECFLEIAVLGMALLEAGLLHHYVSVQVSRGAQAVVGVVLMVLLSIVWILRET
 QSIYIFGIFRNPFPYKDIHAVSVFYDKQNKLLKIGAVRWILLTLVSPLAMVAFALDSSLHGLHSVSVSI
 GFTRAFRMVWQNTETALLETVVVS AVHMSVSTDCWWRSLDTGIRLLLIGIMRDLIQFITKLQFAVTVL
 LALWTEKKQHRKTTTTLCVLNTVFAPFVGLIIVLSTLLSSPLLPLFTLPVFLVGFPRPVQSWPGAVGTAA
 CVCTDSVFYHQMVPRLLAALQTAMAAGSLGLLLPGSHYLGRFEDRLIWIMILECGYTYCCINVKGLELQE
 TSCHTAEAQRVDEVFESAFQREHPQVCSLNEHLENVLTPTVLPVKLYSDARNVLTGIIDSPDNLKEFKD
 DLIKVLVVWLIQHCSKRPSTQENKENTENTGEASPALPPAANSSPCPESELDSESANSDWSGSI FDDEPAI
 KNRKEKLQSKDL PCTKLP I PGSVDSQNPDDHSAGTGPKNDLYRTVILGLPAVDKGQREDVAYIPLVEFSC
 SQSRLLSLPEEWRSNSTPRSKILEMSALFPEDWYQFVLRQLECFHSEEKSRVLEEIAKDKALKDLYVHTV
 MACYIGLFGIDNGVSPGQLVRVYNGGLPWAGTLDWLSEKPELFHLVRKAFRYTLKLMVDKASLGP IEDF
 KELTNCLREYERDWWYIGLVSEEQWKRAILEEKPLFCLGYESSMGVYTSRVLMQEMSVHIGKLNAAEAVR
 GQWANLSWELLYATNDDEERYSIQAHP LLLRNLTVQAADPPLGYPI FSSKPLPIHLC

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_026327

ORF Size: 3531 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).

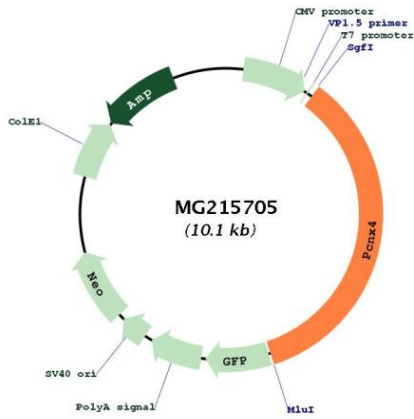
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_026327.3](#), [NP_080603.2](#)

RefSeq Size: 4420 bp
 RefSeq ORF: 3534 bp
 Locus ID: 67708
 UniProt ID: [Q3UVY5](#)
 Cytogenetics: 12 C3

Product images:



Circular map for MG215705