

Product datasheet for RN208421

Cntn4 (NM_053879) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cntn4 (NM_053879) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cntn4
Synonyms:	Axcam; Big-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208421 representing NM_053879 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGTTGCCATGGAACTGCTAGTGCTGCAATCATTATGTTGTGCCTTGCAGATGACTACACTAC
ATGGCCAGTTTTTGTCAAGAGCCAAGTCATGTCATGTTTCTTTGGATTCTGAGGAGAAAAAAGTGAA
ACTGAGTTGCGAAGTTAAAGGGAATCCAAAGCCTCACATCAGGTGGAAGTTAAATGGAACAGATGTTGAC
ATTGGTATGGATTCCGCTACAGTGTGTTGAAGGCAGCTTGTGATCAATAACCCCAATAAAACCCAAG
ATTCTGGAACGTACCAATGCATAGCAACAACTCGTTTGGAACAATTGTAAGCAGAGAAGCAAAGCTTCA
GTTTGATATCTTGAAAACCTTAAAGACAAGAACAAGAAGCACAGTGTGAGTTCGTCGAGGTGAGGAAATG
GTCCTCCTGTGCGGCCGCCACCCCACTTCTGGAGAGCTGAGCTACGCCTGGATCTTCAATGAACACCCTT
CCTATCAGGATAACCGCCGCTTTGTTTCTCAAGAGACTGGCAATCTGTATATTGCCAAGGTGAAAAAGC
TGACGTTGGTAATTATACGTGTGTGGTTACCAATACTGTGACCAGCCACCAGGTCTGGGACCGCCTACA
CCACTAATCCTGAGAAAATGATGGGGTATGGGTGAATATGAACCAAAAATAGAAGTACAGTTTCCAGAAA
CTGTCCCAGCTGAGAAAGGATCAACAGTCAAGCTGGAATGCTTTGCCTTAGGAAACCCAGTCCCAACTAT
TCTATGGAGAAGAGCTGATGGGAAGCCGATAGCAAGGAAAGCCAGAAGACACAAGTCCAGTGGAAATCTG
GAAATTCCCAATTTTTCAGCAGGAAGATGCTGGTTCCCTATGAATGTGTGGCCGAAAACCTCCAGAGGAAAA
ACATAGCAAAGGGACAGGTGACTTTCTATGCTCAACCTAACTGGGTTCAAATAATAAATGATATCCACGT
GGCCATGGAAGAGAGTGTCTTCTGGGAATGTAAGCAAATGGGAGGCCAAAGCCTACCTATAGGTGGCTT
AAAAATGGTGACCCACTGTTAACACGGGAGAGAATACAGATCGAGCAAGGAACACTCAACATAACAATAG
TGAATCTCTCAGATGCCGGCATGTACCAGTGTGTGGCAGAGAATAAACATGGAGTTATCTATGCCAGCGC
TGAACCTAGTGAATAGCTGAAAGTCCAGATTTTTTCGAGAACACTCTTAAAAAGAGTAACACTTGTCAA
GTGGGTGGTGAAGTTGTCATTGAGTGCAAGCCGAAAGCATCCCCAAGACCTGTCTACACCTGGAGAAAGG
GAAGAGAAATATTAAGAGAAAATGAAAGAATTACCATTTCTGAAGATGGAACCTCAGAATCATCAATGT
CACTAAGTCTGACGCTGGAAGTTATACCTGCATAGCCACTAACCATTTTGGCACTGCCAGCAGCACTGGG
AATGTGTTGTGAAAGACCCAACAAGGTGATGTTCCCCCTTCCAGCATGGATGTCACTGTGGGAGAAA



[View online »](#)

GCATTGTTCTCCATGCCAGGTGACACATGATCACTCACTGGACATTGTCTTTACTTGGACATTTAATGG
 ACACCTTGATAGACTTTGACAAAGATGGAGACCCTTTGAAAGAGTTGGAGGGCAGGATTCAGCTGGTGT
 TTGATGATCCGAAACATCCAACCTGAAGCATGCTGGGAAATATGTCTGCATGGTCCAAACAAGTGTGGACA
 AACTCTCTGCTGCTGCGGACCTGATTGTAAGAGGTCTCCAGGTCCTCCTGAGGCTGTGACCATAGACGA
 AATCACAGACACCCTGCTCAGCTGTCTGGAGACCTGGACCTGACAACCACAGCCCCATCACCATGTAT
 GTCATCCAAGCTAGGACTCCATTCTCCGTGGCTGGCAAGCAGTCAGTACAGTTCAGAACTCGTTGATG
 GGAAGACATTCACAGCAACTGTGGTGGTTTGAACCCCTGGGTTGAATATGAATTCCGCACTGTTGCAGC
 TAATGTGATTGGCATTGGGGAACCCAGCAGGCCCTCAGAGAAACGAGGACTGAAGAGGCTCTCCCGAA
 GTCACCCCGCTAACGTCACTGGTGGTGGAGGCAAGTCTGAACTGGTTATAACCTGGGAGACAGTCC
 CTGAGGAATTACAGAATGGCAGAGGCTTTGGTTACGTGGTAGCCTCCGGCCACATGGCAAAATGATCTG
 GATGCTGACAGTGTGGCTTACGCTGATGCCTCCAGATACGTGTTGAGGAATGAAAGCGTGCCTCCATTC
 TCTCCCTTTGAGGTTAAGTGGGTGTCTCAATAACAAAGGGGAAGGCCCTTTCAGTCCCACCACCTGG
 TGTATTCTGCTGAAGAAGAACCACCAAGCCACCAGCCAGTATCTTGGCAGGAGTCTTCTGCCACAGA
 TATCGAAGTTTCTGGGCTCCCTATTGGGAAGAACAGGGGACGGATTCAAGGTTATGAGGTAATAAT
 TGGAGACATGATGATAAGGAAGAAAATGCTAGAAAAATACGAACAGTTGAAACAGACATCTACGAAA
 TCACCAACTTGAAAGGGAATGCTCTGTACCACCTATCTGTCAAGGCTTATAACTCAGCTGGGACAGGACC
 CTCCAGTGCAGCAGTCAATGTCACGACCAGAAAGCCACCACCAAGCCAACCCCTGGAAACATCATATGG
 AATTATCATCGACTCCAAAATTATCCTGAACTGGGATCAAGTGAAGGCCCTGGATAATGAGTCAGAAGTAA
 AAGGATACAAAGTCTTGTACCGATGGAACAGGCAAGCAGCACATCTGTCAATTGAAACGAACAAAACGTC
 AGTGGAGCTTTCTACCTTTTCGATGAAGACTACATCATAGAGATCAAGCCATTCAGTGCAGGAGGAGAC
 GGCAGCAGCAGTGAAGCAGATCCGAATCCCAAAGATATCAAATTCATGCAAGAGGATCTGGGCTTCTA
 CCTCCAATGCGTGTACTGTGACCCATCAGTACAATAATGATTTCTCTCACAGCCAGGTCTAGTTTATG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_053879

Insert Size:

3081 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_053879.1](#), [NP_446331.1](#)
RefSeq Size:

4609 bp

RefSeq ORF:

3081 bp

Locus ID: 116658

UniProt ID: [Q62845](#)

Cytogenetics: 4q41

Gene Summary: Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity. May be involved in synaptogenesis.[UniProtKB/Swiss-Prot Function]