

Product datasheet for RN214100

Cntnap1 (NM_032061) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cntnap1 (NM_032061) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cntnap1
Synonyms:	Caspr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214100 representing NM_032061 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGAGTCTCCGGCTTTTCAGCATTCTGCTCGCCGCTGTGGTCTCTGGAGCCCAGGGCTGGGGCTACT
ATGGCTGCAATGAGGAGCTGGTGGGCTCTGTATGCACGGTCTCTGGGTGCTTCTCCTACTATGGACT
CTTTACCACAGCCCGCTTTGCCGGCTACACGGCATCAGTGGATGGTCCCGGATTGGGGACCCGAAT
CCCTGGCTCCAGATAGACTTAATGAAGAAGCATCGAATCCGGGCTGTGGCCACACAGGGAGCCTTAATT
CTTGGGATTGGGTCACACGTTACATGCTGCTCTACGGGGACCGTGTGGACAGCTGGACACCAATTCTACCA
ACAAGGGCACAACGCGACCTTCTTCGGTAATGTCAACGACTCGGGCGTGGTACGCCATGACCTGCACTAC
CATTTTACGGCTCGTACATCCGCATCGTGCCACTGGCCTGGAACCCCGCGGCAAGATTGGCTTGGAGC
TGGGCATCTACGGTTGTCCCTACACGTCCAACATCCTGTATTTGACGGCGATGATGCCATTTTCATACCG
CTTCCAGCGAGGGGCCAGTCAAAGTCTTTGGGACGTGTTTCGCTTTTAGTTTCAAGACAGAGGAGAAGGAC
GGGCTGCTGTTGCACACCGAAGGCTCCCAGGGGATTATGTGACGCTTGAAGTCAAGGAGCACACCTGC
TGCTGCACATGAGCCTGGGCAGCAGCCCATCCAGCCGAGACCTGGTACACACCGGTGAGCGCTGGTGG
CGTACTTAATGACCTAAGCTGGCATTATGTGCGGGTGGACCGATACGGCCGAGAAGCAAACTCACCCCTG
GATGGTTACGTACATCGCTTTGTGCTCAACGGCGACTTTGAAAGGCTGAATCTCGAAAATGAGATATTCA
TCGGAGGTCTAGTGGGCGCAGCGCGTAAGAACCTGGCCTACCGCCATAACTTCCGTGGCTGTATAGAAAA
CGTGATCTACAACCGGATCAACATAGCTGAAATGGCAGTGCAGCGCCATTCGCGGATCACCTTCGAGGGT
AATGTGGCTTTCCGGTGTGGATCCCCTTCCACACCCCATCAACTTCGGAGGCCCTCACAACCTCGTCC
AAGTGCCTGGCTTTCCACGTGAGGCGCCCTTGTGTCTCCTTCCGCTTCCGCACCTGGGACCTCACAGG
GCTGCTCCTTTTCCCCTTGGGGATGGGCTGGGTCATGTGGAGCTGATGCTTAGTGAAGGGCAAGTC
AATGTATCCATCGCGCAGACTGGCCGCAAGAAGCTTCAGTTTGTGCGGGGTACCGCCTGAATGATGGCT
TCTGGCATGAGGTGAACTTTGTGGCACAGGAAAACCATGCGGTATCAGTATTGATGATGTGGAGGGGGC
AGAGGTACAGGTATCATACCACTGCTGATCCGCACAGGGACTTCATACTTCTTTGGTGGTTGTCCAAA
CCAGCCAGTCGATGGGGTGCCTCAACAGACAGCATTCCATGGCTGCATGGAGCTGCTCAAGGTGG



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ATGGTCAACTGGTCAACCTCACTCTGGTAGAGTTTCGGAAGCTTGGTTACTTTGCTGAGGTCTCTTTGA
 CACATGTGGCATCACAGACAGATGCAGCCCTAATATGTGTGAGCATGATGGGCGCTGCTACCAGTCTTGG
 GATGACTTCATCTGCTACTGCGAACCACCGGCTACAAGGGAGTTACCTGCCATGAACCATTGTATAAGG
 AGTCTGTGAAGCCTATCGCCTCAGCGGAAATATTCTGGAAATTACACCATTGATCCTGATGGCAGTGG
 ACCCCTGAAACCATTTGTAGTGTATTGTGATATCCGAGAGAACCAGCATGGACAGTTGTGCGACATGAC
 AGGCTATGGACCACTCGAGTGACAGGTTCCAGCATGGACCGCCCTTTCTGGGGCCATCCAATACTGGA
 ATGCCTCCTGGGAGGAAGTCAGTCTCTGGCCAATGCTTCCCAGCACTGTGAGCAGTGGATCGAGTTCTC
 CTGCTACAATTCCCGGCTGCTCAACACTGCAGGAGGCTACCCCTACAGCTTTTGGATTGGCCGAAATGAA
 GAACAGCATTCTACTGGGGAGGCTCCCAGCCTGGGATCCAACGCTGTGCCTGTGGGCTGGACCAGAGCT
 GTATAGACCCTGCACTGCACTGCAACTGCGATGCTGACCAGCCACAGTGGAGAACAGACAAGGGGCTCCT
 GACCTTTGTGGACCATCTGCCTGTCACTCAGGTAGTGATAGGTGACACAAACCGCTCCAGCTCTGAAGCT
 CAGTTCTCTGAGGCCTCTGCGCTGTTATGGTGACCGCAATTCCTGGAACACTATCTCCTTCCGCACTG
 GAGCTGCACTGCGTTTCCCTCAATCCGTGCCAACACAGCCTTGATGTCTCCTTCTACTCAGGACCTC
 GGCTCCCTCAGGAGTCTCCTAGAGAACATGGGGGCTCCTTTCTGCCAGTGGCGCCGACCTTACGTGAGA
 GTGGAGCTCAACACATCCCGGATGTGGTCTTTGCCTTTGATATTGGCAATGGGGATGAGAACCTGACAG
 TGCACTCAGATGACTTCGAGTTCATGATGACGAGTGGCATTGGTCCGGGCTGAAATCAACGTGAAGCA
 GGCCCGGCTGCGAGTGGACCATCGGCCCTGGGTGCTAAGGCCATGCCCTGCAGACGTACATCTGGCTG
 GAGTATGACCAACCCCTCTATGTGGATCTGCAGAGCTTAAGAGGCGCCATTTGTGGGGTCTTGGAGG
 CCATGCGTTTGAATGGAGTGACTCTGAACCTGGAGGGTCTGCCAATGCCTCCGAGGGCACCTTCCCAA
 CTGCACGGGCCACTGCACCCACCCCGGTTCCCTGTTTCCACGGAGGACGCTGTGTGGAGCGATACAGC
 TACTACACGTGTGACTGTGACCTCACAGCTTTGATGGACCATATTGTAATCACGATATTGGTGGATTCT
 TTGAGACTGGACATGGATGCGCTATAACCTCCAGTCAGCACTGCGTTCTGCGGCCCAGGAGTTCTCTCA
 CATGCTGAGCCGGCCGGTACCGGCTATGAGCCTGGCTATATCCCAGGCTACGACACTCCTGGTTACGTG
 CCTGGGTACCATGGTCTGGGTACCGCCTACCCGACTACCCAAGGCTGGCCGGCAGTGGCCGGATACC
 GGGGGCCCGTGTACAATGTTACTGGAGAGGAGTCTCCTTTAGCTTACGACACCAGCTCTGCTCCTGCAGT
 CCTGCTCTACGTGAGTCTCTTTGTGCGTGACTACATGGCCGTGCTCATCAAGGAAGATGGGACCCTACAG
 CTTTCGCTATCAGCTGGGACCCAGTCCCTATGTGTACCAGCTAACCACCCGGCCAGTGACCGATGGCCAAC
 CCCATAGTGTCAACATCACCCGGGTCTACCGAACCTCTTTATCCAGGTGGACTACTTCCCGCTGACAGA
 ACAGAAGTTCTCTCCTGTTGGACAGCCAGCTGGACTCCCCAAGGCCCTGTATCTAGGGCGTGTGATG
 GAGACAGGAGTCATTGACCCAGAGATTCAGCGGTACAACACCCAGGTTTCTCAGGCTGCCTGTCTGGT
 TCCGGTCAACAATGTGGCTCCTCTCAAGACCCATTTCCGAACCCCTCGCCCATGACTGCTGAGCTGGC
 GGAGGCCATGCGGTTCAAGGAGAACTGTCGGAGTCTAACTGTGGCGCTATGCCACGCCTTGTCTCCGAG
 GTGCCACCAGAGCTTGATCCCTGGTACCTGCCCCAGATTTCCATACTACCATGACGACGGATGGATTG
 CCATACTTAGGTTTTTTGGTGGCCTTCTGCTGCTGGGGCTTGTGGGAATGCTGGTGTCTTCTATCT
 GCAAAATCATCGATAACAAGGGCTCCTATCACACCAACGAGCCCAAGGCCACCCATGATCCACCCCTGGC
 GGCAAAGTCCCTACCTCCCTCAGGCCCTGCCAGGCCCTGCCCCACTCCAGCTCCACCCAGGTTCC
 CGACCCAGCCCCAGCCCCAGCCTCTGGCCAGGCCCCAGGGACCAGAACCTCCCCAGATCTTGGAGGA
 GTCCAGGCTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_032061

Insert Size:

4146 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:	<ol style="list-style-type: none">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_032061.2 , NP_114450.1
RefSeq Size:	5379 bp
RefSeq ORF:	4146 bp
Locus ID:	84008
UniProt ID:	P97846
Cytogenetics:	10q31
Gene Summary:	forms a complex with contactin; may mediate communication between glial cells and neurons during development [RGD, Feb 2006]