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Product datasheet for RN204008

Cntnap5a (NM_001047865) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cntnap5a (NM_001047865) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cntnap5a
Synonyms:	Caspr5-1; RGD1559812
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>RN204008 representing NM_001047865
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATTCTCTACAAAGACTGAACGGCCTTTTGACTTTGGTGCTCTCTGCCTTGTGGCATTTAGGATTAA
CAGCGTCAAACTACAACTGTGATGACCCACTGGCCTCCTTCTTCTCACCCATGACTTTCTCCAGTTCCTT
AGATCTCACTGGAAGTTACAGCTCAGCTCAACTGAACTGGAAAATGGGAACTGGTGGTTGGTCCCCAGTA
GATTCGAATGCCCAACAATGGCTCCAGATTGACCTTGGAAACAGAGTGGAGATTACAGCTGTAGCCACAC
AGGGAAGATATGGGAGCTCTGACTGGGTGACAAGCTATCGCCTGATGTTCAGCGACACAGGGCACAACTG
GCAACATTACACTCAAGAAGACAGCATCTGGACATTTGTAGGAAATATGAATGCCGACAGTGTGGTTCAC
CACAGACTGCTGCACTCCATGAGAGCGCGCTTTGTTCGTTTTGTGCCCCTGGAATGGAATCCAAATGGAA
AGATTGGCATGAGAGTGGAGGCCTATGGATGCTCCTATAGATCAGATGTAGCTGACTTTGATGGCCGGAG
CACACTTTTATACAGGTTCAATCAGAAGACGATGAGCACGCTCAAAGATGTGATCTCCCTGAAGTTCAAG
AGCATGCAAGGAGATGGGGTTCTCTTCCATGGAGAAGGACAACGTGGAGACCACGTTACCCTTGAACTCC
AGAAGGGCAGGCTAGCTCTATACTTGAACCTGGATGACAGCAAAGCTCGGCTGAGCAGCACAGTGCCCTT
GGTCATCATGGGTAGCCTTCTAGATGATCAGCATTGGCATTCAGTTCTCCTGGAGCGAGTGGGCAAGCAG
GCAAACTTCACTGTGGACATGAACACACAGCACTTCCAGACCAAGGGTGAGACAGATGCTCTGGACATAG
ACTATGAGCTCAGTTTTGGAGGAATCCCAGTACCAAGCAAACCTGGGACCTTTGTAAAGAAAAACTTCCA
TGGCTGTATGGAAAACCTTTACTACAATGGAGTGAACATAATTGACTTGGCCAAAAGACGCAAGCATCAG
ATCTACTCAGGCAATGTCACTTTTTCCTGCTCAGAACCACAAATTGTTCCCATCACGTTTGTCAACTCCA
GGAGCAGTTACCTGATGCTGCCTGGCACCCCCCAAATTGATGGTCTGTCAGTGAGCTTCCAGTTTCGGAC
ATGGAATGAGGATGGTCTGCTTCTGTCCACAGAACTGTCTGAAGGCTCAGGGACCCTGCTGCTCATCCTG
GAGGGTGGGACACTGAGGCTCCTGATTAAGAAAGTGGCAGGACATGGAACTGAAATCAAAACAGGCAGTG
GCTTAAATGATGGCCTGTGGCATTCTGTCAGCATCAATGCCAGGAGAAATCGTGTTACTCTCACACTGGA
TAATGATGCTGCTTCCCCAGCTCCAGAAACTTCCCGAAAACAGATTTATTCGGGAAAGAGTTACTACTTT

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GGAGGGTGCCCTGACAATCTCACCGATTCTCAATGCCTAAACCCCATTAAGGCTTTCCAAGGCTGCATGA
GGCTCATCTTTATTGATAACCAGCCCAAGGACCTCATTTCAGTTCAGCAAGGTTCCCTGGGGAATTTTAG
TGATTTACACATTGATCTATGTAGCATCAAAGACAGGTGTTTGCCAAACTACTGTGAACATGGAGGACAC
TGCGCCCAAACCTGGACTACCTTCTACTGCAACTGTAGTGACACTGGTTACACAGGAGCCACCTGCCATG
ACTCCATCTATGAACAATCATGTGAGGTGTATAGACACAAAGGACACACAGCTGGGTTCTTCTATGTTGA
CTCTGATGGCAGTGGGCCACTGGGACCCCTTCAGGTGTACTGCAATATTACCGAGGACAAGATCTGGATG
ACGGTTCAGCACAACAACACAGAGCTGACTCGTGTACAGGGTTCCAGCCCTGAGAAGCCCTATTCCATGA
CCTTAAACTACGGTGGCAGTATGGAGCAGCTGGAAGCTCTGATTGATGGCTCTGAATACTGTGAACAGGA
GTTGAAATACCACTGTAGGAGATCCCGCCTTCTTAACACACTAGACGGAACCCCATTCACTTGGTGGATT
GGCAGGTCCAATGAAAGGCACCCTTACTGGGAAGGTTCTGTTCCGGGAGTCCAGCAATGTGGATGTGGCC
TTGAGGAGAGCTGCCTGGACAATGCGTATTTTTGCAATTGTGATGCAGACATGGATGAGTGGTCAAACAA
CACTGGCTTGTTTTCCTTGAAAGATCATTTGCCTGTAACTCATGTAATTATTACGGATACCAACCGATCA
AACTCAGAAGCTGCTTGGAGAATTGGCCCCTTACGTTGCAATGGTGACCGGCACTTCTGGAACGCCGTCT
CATTTTCTACGGAAGCTTCTTACCTCCACTTTCCTACCTTCCATGCAGAATTCAGCGCTGACATTTCTTT
CTTTTTTAAAACCACCGCTTTATCTGGAGTTTTTCTAGAAAACCTTGGCATTAAAGACTTCCTCCGACTT
GAAATGAGCTCTCCTTCTGAGGTCACATTCACCATTGATGTTGGGAATGGCCCTGTGGAGCTCCTTGTCC
AGTCTCCTTATCCTCTGAATGACAATCAATGGCATTACATCCGGGCTGAGAGAAATGTCAAGGAGACTTC
ACTGCAGGTGGACAACCTTCCACTGAGTTTGAGGGAGGCCTCAGAGGAAGCCTATTTCCGACTTCATTTG
ACTAGCCAGTTGTTTGTAGGAGGAACATCATCAAGACAGAAAGGCTTTCTTGGATGCATGCGCTCTTTAC
ACTTGAATGGGCAGAACACAGACCTGATAGAGAGGGCAAAGTTAATGTCTGGAGTCACACCTGGCTGTCC
AGGTCACTGCAGTAGCTACAGCAGCAACTGCCACAATGGGGGCAAGTGTGTGGAGAAACAAAGTGGCTAT
TCCTGTGACTGCACCAACTCACCAAATGAAGGACCTTTCTGCCAGAAAGAGATTTCAGCCCTTTTTGATC
CTGGCACCTCTGTAACATACATGTTTCAAGAACCATACCTGGTGATCAAGAACACAAGTCTCTTATCTTC
ACCTATCTACACAGATACAGCTCGATCCAAAGAAACCATCATGCTGAATTTCTTGACAGCACAAGCCCCC
ACCATCTTGCTCTACCTCAATTTCTCTTCTCAGAAGTTTTTGGCTATCTTACTTTCCAGCAATGGAAGTT
TACAGATTCGTTTTCGACTAAGCAAAGGAGAAAGTCATGTGTATACCATGAGCACAGAGAACTTGGCCAA
TGGAAGAGTGCACCAGGTGAAGATTAGCAAAGACGGGCCAGAAATTTCCATTCAGATGGACCAGCAACTC
TTCAGCTATAACTTCTCCACGAAAGTTGAATTCTGGACACTAAAGTCACTTGTTCTAGGCAAAGTCACAG
AGACTCTTGGTTTGGACCCAGAAGTTGCTAAAGTAAACATCTTGGGTTTTCTTGGATGCCTTTCTTCAGT
CCAGTACAATCACATAGCACCATTGAAAGCAGCCCTCCGCCATGCTGGCGTTGCACCTGTGACTGTTCAT
GGGACCTTGACTGAATCCGGATGTGACTCCACTCTAGACTCTGATGTGAATGCAGTGACCACTGTGCATT
CTTCATTAGAACCCATTGGAAAGAGAGACGAGCAAGAACCACTCACAAACACAGTCCAAAGTGACTCAGC
AGTCATTGGAGGTATCATAGCAGTGGTGACATTTGTCACTTTTTGTGTAATCGGAATCATGATCTGCTTC
CTTTATCAACATAAGCAGTCACACCGCACCAATCAGACGAAGGAGAAGGAATACCCAGAGACTTTAAGCA
ATTCATTTAGAAATGTCATTGACTTGCAAAACACAGCCAGCGAGTGCAAACGGGAATACTTCATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001047865

Insert Size: 3918 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).

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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_001047865.1, NP_001041330.1
RefSeq Size:	3918 bp
RefSeq ORF:	3918 bp
Locus ID:	297832
UniProt ID:	Q0V8T6
Cytogenetics:	13p13
Gene Summary:	May play a role in the correct development and proper functioning of the peripheral and central nervous system and be involved in cell adhesion and intercellular communication. [UniProtKB/Swiss-Prot Function]

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