

Product datasheet for **MC210438**

Cntnap2 (NM_025771) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cntnap2 (NM_025771) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cntnap2
Synonyms: 5430425M22Rik; Caspr2; mKIAA0868
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210438 representing NM_025771
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTTCAGCCACTGACCCTTGGCACCTAGATCACTTGGATTACGCCAGTGCTGATTTCCCATATAACC
CAGGACAAGGCCAAGCTATAAGAAATGGAGTCAACAGAACTCAGCTATCATTGGAGGGTTCATCGCTGT
GGTGATTTTACCATCCTCTGCACCCTGGTCTTCTCATCCGGTACATGTTCCGTCACAAGGGCACCTAC
CACACCAATGAGGCCAAGGGAGCTGAGTCAGCCGAGAGTGCAGATGCTGCCATCATGAACAACGACCCCA
ACTTCACAGAGACCATTGACGAGAGCAAAAAGGAGTGGCTCATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_025771

Insert Size: 327 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).



[View online >](#)

- 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_025771.3](#), [NP_080047.1](#)
- RefSeq Size:** 3449 bp
- RefSeq ORF:** 327 bp
- Locus ID:** 66797
- UniProt ID:** [Q9CPW0](#)
- Cytogenetics:** 6 B2.2- B2.3
- Gene Summary:** Required, with CNTNAP1, for radial and longitudinal organization of myelinated axons (PubMed:25378149). Plays a role in the formation of functional distinct domains critical for saltatory conduction of nerve impulses in myelinated nerve fibers. Demarcates the juxtaparanodal region of the axo-glial junction (Probable) (PubMed:25378149). [UniProtKB/Swiss-Prot Function]