Product datasheet for MG221931

Cntnap2 (NM_025771) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cntnap2 (NM_025771) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cntnap2
Synonyms: 5430425M22Rik; Caspr2; mKIAA0868
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence:

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>MG221931 representing NM_025771
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTTCGACTGATCCGATGCCGAGAGATCTGCAGGAGG
GCCGCCGATCGCC

ATGTCTTCCGACACCTGACTATAGATCTTGGATTACCCAGTCGATTTCCTCCATATAACC
CAGGACAAGGGCGGCAAGCTGAAAGATGAGTCAACAGAAACTCAGCTATCATTGGAGGGGTATCGCTGAGTGG
TGATTTCATAGTTGCGCATCAGTCAAGGGCCACACTAC
CACACCAATGAGCCAGGACTGGAGTCAGGAGTGAGTCAACGAGTCCATGAGAACCAACCC
ACTTCACAGGCCAGCATGACGAGACAAAGGGAGTGCTGCTATT

ACGCCGTACGGGCAGCGCTGAG - GFP Tag - GTTAA
```

Protein Sequence:

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>MG221931 representing NM_025771
Red=Cloning site Green=Tags(s)

MSSATDPWHLDHLSASADFPYPQPGGQAIYNVRNASAIIGGVIAYVFILCLTVFLLRYMFRHKGTY
HTNEAKGAESAESADAAIMMNDPNFTETIDSKKELI

TRTTRPL - GFP Tag - V
```

Restriction Sites:

SgfI-MluI
Cloning Scheme:

Plasmid Map:

ACCN: NM_025771
ORF Size: 324 bp
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

RefSeq: NM_025771.3, NP_080047.1
RefSeq Size: 3449 bp
RefSeq ORF: 327 bp
Locus ID: 66797
Cytogenetics: 6 B2.2-B2.3