

Product datasheet for MR222116

Cntn3 (NM_008779) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cntn3 (NM_008779) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cntn3
Synonyms:	Pang
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222116 representing NM_008779 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGTTGTCATGGAACAGTTGATCCTGCTTTCATTTCATTGGCTGCCTGGCAGGTGAACCTCTTTTAC
AAGGCCCTGTGTTTATCAAAGAGCCCAGCAACAGTATTTTCCCTGTTGATTCAGAGGACAAAAATAAC
ATTAATTTGTGAAGCAAGAGGCCAACCTTCACCTCATTACAGGTGGCAGTGAATGGCAGTGATATTGAT
ACAAGTCTGGACCATCGTTACAACTGAATGGAGGAAATCTCATAGTTATTAACCCTAACAGAAATGGG
ATACAGGAAGTTACCAGTGTGTTGCAACGAATTCTCTTGAACAATAGTGAGCAGAGAAGCCAACTCCA
GTTTGCCTATCTTGAAAATTTAAGACCAGGATGAGAAGCACTGTGTCGGTCCGTGAAGGCCAGGGAGTG
GTGCTTCTCTGTGGACCCACCTCACTCAGGAGAACTGTCATATGCTTGGGTCTCAATGAGTATCCAT
CATTTGTTGAAGAAGACAGTCGACGATTTGCTCTCAAGAGACAGGACACCTCTACATAGCTAAGGTGGA
ACCATCTGATGTGGGAAATTACACATGTGTGGTGACCAGCACGGTGACAAATACCAGAGTATTGGGCTCC
CCAACCCCTTTGGTGCTACGCTCTGATGGTGTCATGGGTGAATATGAACCCAAAATAGAAGTCCAGTTTC
CAGAGACTCTCCAGCAGCTAAAGGTTCAACTGTGAGGTGGAATGCTTCGCCCTGGGAAACCTGTTCC
TCAGATTAATTGGAGAAGAAGTGTGGGATGCCGTTTCCCAACAAAATTAAGTTGAGGAAGTTCAATGGT
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GAATGTGACTAAGGCAGACGCTGGAACCTACACCTGCACAGCAGAAAACAGTTTGGGAAAGCAAATGCC



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 GTGAGAGCGTCATTTTACCCTGCCAGGTTCAACATGATCCCCTATTAGACATAATGTTTGGCTGGTATTT
 CAATGGAGCCCTTACAGACTTTAAGAAAGATGGATCTCACTTTGAGAAAGTTGGTGGGAGTTCATCTGGT
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 TTTTCCGCATATGAAGTTAAAGTGGGAGTTTACAATAACAAGGTGAAGGACCCTTAGCCCAGTGACAA
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 GTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222116 representing NM_008779

Red=Cloning site Green=Tags(s)

MMLSWKQLILLFIGLAGELLLQGPVFIKPSNSIFPVDSDDKITLNCEARGNPSPHYRWQLNGSDID
 TSLDHRKLNGLNGLIVINPNRNDTGSYQCFATNSLGTIVSREAKLQFAYLENFKTRMRSTVSVREGQGV
 VLLCGPPHSGELSYAWVFNEYSPFVEEDSRRFVSQETGHLIYAKVPSDVGNVYTCVVTSTVNTNTRVLGS
 PTPLVLRSDGVMGEYEPKIEVQFPETLPAKGSTVRLECFALGNPVPQINWRRSDGMPFPNKIKLRKFN
 MLEIQNFQEDTGSYECIAENSRGKNVARGRLTYAKPYWLQLLRDVEIAVEDSLYWECRASGKPKPSYR
 WLKNGDALVLEERIQUIENGALITINLNVTDSGMFQCIENKHGLIYSSAELKVVASAPDFSRNPMKMMVQ
 VQVGSVLILDCKPRASPRALSFWKKGDMVREARVSFLNDGGLKIMNVTKADAGTYTCTAENQFGKANG
 TTHLVVTEPTRIILAPSNMDVAVGESVILPCQVQHDPLLDIMFAWYFNGALTDFFKKGSHFEKVGSSSSG
 DLMIRNIQLKHSGKYVCMVQTVGSDVSSAAELIVRSGPAPPENVKVDEITDQAQLSWTEGTDSSHSPVIS
 YAVQARTPFVSGWQSVRTVPEVIDGKTHATVVELNPWVEYEFRIVASNKIGGGEPSPSEKVRTEEAAP
 EIAPEVSGGGSRSELVITWDPVPEELQNGGGFGYVVAFRPLGVTTWIQTVVTSPPDNPRYVFRNESIVP
 FSPYEVKVGYNKGEKGFSPVTTVFSAEETVAPSHISAHLSSEIEVSWNTIPWKLNSGHLLGYEV
 RYWNNGGEEESSRKVKVAGNQTSAVLRGLKSNLAYTAVRAYNSAGAGPFSATVNATTKTPPSQPPGNV
 VWNATDTKVLNWEQVKAMENESEVTGYKVFYRTSSQNNVHVLNTNKTSAELLLPIKEDYIIEVKATTDG
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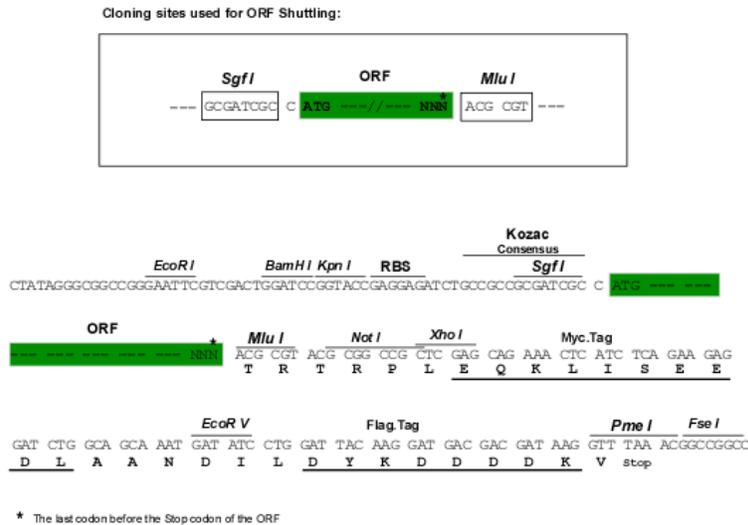
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9002_e04.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_008779

ORF Size: 3084 bp

OTI Disclaimer: 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.

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_008779.2](#), [NP_032805.2](#)

RefSeq Size: 5183 bp

RefSeq ORF: 3087 bp

Locus ID: 18488

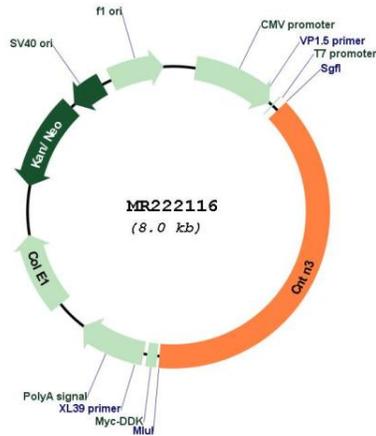
UniProt ID: [Q07409](#)

Cytogenetics: 6 47.52 cM

MW: 113.7 kDa

Gene Summary: Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222116