

Product datasheet for **RC215048**

CNTN6 (NM_014461) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNTN6 (NM_014461) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CNTN6
Synonyms:	NB3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215048 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGTTGCTATGGAACTGGTAATTCTGCTGCCACTCATAAACTCTTCTGCAGGTGATGGTCTTTTAA
GCCGTCCTATTTTACTCAGGAGCCACATGATGTCATTTTCTTTGGATTTATCAAAATCTGAGGTCAT
CCTGAATTGTGCTGCTAACGGTTACCTTCGCCTCATTATAGGTGGAAGCAAAATGGCACAGACATTGAT
TTTACTATGAGTTATCACTACAGGTTGGATGGAGGCAGTCTTGCAATCAATAGCCCCACACAGATCAAG
ATATTGGTATGTACAGTGCCTGGCCACCAATCTTCTGGGACAATTCTGAGTCGGAAGGCAAAGCTCCA
ATTTGCATATATTGAAGACTTTGAACTAAAACAAGAAGCACAGTATCTGTCCGAGAAGGTCAAGGTGTG
GTGCTTCTCTGTGGCCACCGCCACATTTTGGAGATTTATCTTATGCATGGACCTTCAATGATAACCCCT
TATACGTCCAAGAGGACAATAGGCGATTGTATCTCAAGAGACGGGAACTTGTACATTGCCAAAGTGGA
ACCATCAGATGTGGGCAACTACACTTGCTTTATACTAACAAGAGGCCAGAGAAGTGTCAAGGTCCA
CCCCTCCATTAGTGCAGCGCACTGATGGTGTGATGGGGAAATGAACCAAGATTGAAGTGCCTTTTC
CTGAACTATACAAGCTGCAAAGGATTCATCTGTAACTGGAATGTTTTGCCCTTGAAATCCAGTCCC
CGATATTAGTTGGAGAAGGTTGGACGGGAGCCGTTGCCAGGGAAAGTCAAGTACAGCAAATCCCAAGCT
ATCCTTGAAATCCCGAACTTCCAACAAGAAGATGAAGGCTTTTATGAGTGCATTGCAAGCAACCTTCGAG
GAAGAAACCTTGCAAAGGTCACCTCATTTTTTATGCTCCTCCAGAATGGGAACAGAAAAATCCAAAATAC
ACACCTCTCTATCTATGACAACCTTGCTCTGGGAATGTAAAGCTAGTGGAAAGCCAAACCTTGGTATACA
TGGTTAAAAATGGTGAACGACTCAACCCAGAGGAGAGAATTCAAATAGAAAATGGGACACTCATATAA
CGATGCTGAATGTGTCAGATTCTGGTGTGTACCAATGTGCTGCAGAAAACAAATATCAGATAATTTATGC
AAATGCTGAATTGAGAGTTTTCAGCTCAGCTCCAGATTTCTCCAAAAGTCCAGTTAAAAAAGTCTTTT
GTTCAAGTTGGTGGGATATTGTTATCGGATGCAAAACCAATGCTTTTCCAGGGCAGCTATCTCTTGG
AAAGAGGAACGGAGACCCTTAGACAAAGCAAAAGAATATTTCTCTTGGAGGATGGCAGCCTCAAGATATA
TAATATTACCAGGTCAGATGCTGGATCATATACATGCATAGCCACAAATCAGTTTGGCACTGCAAGAAC



[View online »](#)

ACTGGCAGCCTCATTGTAAAAGAGAGAACTGTCATTACCGTCCCACCTTCCAAAATGGATGTTACAGTTG
GCGAGAGTATAGTGCTACCATGCCAGGTGTCCCATGACCCCTCCATTGAAGTGGTATTTGTATGGTTTT
CAATGGAGATGTCATAGACTTAAAAAAGGAGTGGCTCATTGTTGAAAGGATTGGAGGAGAATCTGTTGGG
GATTTGATGATAAGGAATATTCAAGTACATCATTACAGGAAATATCTCTGCACAGTACAAACAACCTAG
AAAGTTTATCTGCAGTAGCCGATATCATTGTTAGAGGTCCACCAGGTCTCTGAGGATGTCAAGTGGA
AGACATTTCCAGTACTACTTCTCAACTAAGTTGGAGAGCAGGCCAGATAATAACAGTCCCATCAAATA
TTTACTATTAGACTCGGACACCATTTTCTGTGGTTGGCAGGCTGTTGCTACAGTTCAGAAATTCTCA
ATGGTAAGACATACAATGCAACAGTGGTTGGTTTGGTCTTGGTGGAAATATGAATTTCTGTTGTTGC
CGGCAACAGCATTGGGATTGGAGAACCAAGTGAACCATCAGAATTGTTAAGAACTAAAGCATCAGTCCCT
GTTGTGGCACCAGTAAACATCCATGGAGGTGGAGGAAGTCGGTCTGAACTCGTCATTACATGGGAGTCAA
TTCCAGAAGAACTGCAGAATGGGAGGGATTGGATATATCATCATGTTCCGGCCAGTGGGCTCGACAAC
CTGGTCCAAGGAGAAAGTGTCTGTGGAATCATCAAGTTTGTCTACAGAAATGAAAGCATCATCCCA
CTGTCTCCCTTTGAAGTCAAAGTGGGTGTGTAATAATGAAGGAGAAGGATCCCTGAGTACTGTGACCA
TTGTCTACTCTGGGAAGATGAACCTCACTGGCCCCAAGGGAACTTCTCTCAGAGTTTTTCTGCTTC
TGAAATGGAGTTTCATGGAATGCTATTGCCTGGAATAGAAACACTGGAAGAGTGTGGGCTATGAGGTC
TTATACTGGACAGATGACTCCAAAGAATCCATGATAGGTAATAATTAGAGTCAGTGAAATGTCACAACCA
AAAACATCACGGGGCTGAAAGCTAATACCATCTACTTTGCTTCCGTAAGAGCTTACAACACTGCTGGGAC
AGGGCCCTCAAGCCCCCAGTCAATGTTACCACCAAAAAGTCTCTCCAAGCCAACCACCAGCAAACATT
GCCTGGAAGCTGACAACTCTAAATTATGCTTGAAGTGGGAGCATGTAAAAACATGGAAATGAGTCTG
AAGTTTGGGGTACAAGATTCTGTACCGGCAAAACAGACAGAGTAAACTCATATTTGGAAACAAACAA
TACATCAGCTGAGCTTCTGGTTCCATTTGAAGAAGACTACTTAATTGAAATAAGAACAGTCAGTGATGGT
GGAGATGGAAGCAGCAGTGAGGAAATTAGGATTCAAAAATGTCAAGTTTGAGTTCCAGAGGAATTCAAT
TCTTAGAACCTAGCACCCATTTCTTTCCATTGTCATTGTGATTTTCACTGTTTGTCTATTAGCCACT
TATC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215048 protein sequence
Red=Cloning site Green=Tags(s)

MRLLWKLIVILLPLINSSAGDGLLSRPIFTQEPHDVIFPLDLKSEVILNCAANGYPSPHYRWKQNGTDID
FTMSYHYRLDGGSLAINSPTDQDQIMYQCLATNLLGTILSRKAKLQFAYIEDFETKTRSTVSVREGQGV
VLLCGPPPHFGDLSYAWTFNDNPLYVQEDNRRFVSQETGNLYIAKVEPSDVGNVTCFITNKEAQRSVQGP
PTPLVQRTDGMGEYEPKIEVRFPETIQAADSSVKLECFALGNPVPDISWRRLDGSPLPGKVYKYSQA
ILEIPNFQDEDEGFYECIASNLGRNLAKGQLIFYAPPEWEQKIQNTHLSIYDNLLWECKASGKPNPWYT
WLKNGERLNPEERIQUIENGTLIITMLNVSDSGVYQCAENKYQIIYANAELRVLASAPDFSKSPVKKKSF
VQVGGDIVIGCKPNAFPRAAISWKRGTETLRQSKRIFLLEDGSLKIYNITRSDAGSYTCIATNQFGTAKN
TGSLIVKERTVITVPPSKMDVTVGESIVLPCQVSHDPSIEVVFVWFFNGDVIDLKKGVAHFERIGGESVG
DLMIRNIQLHHSGLKYLCTVQTTLESLSAVADIIVRGPPGPPEDVQVEDISSTTSQLSWRAGPDNNSPIQI
FTIQRTPFSVGWQAVATVPEILNGKTYNATVVGLSPWVEYEFVAVAGNSIGIGEPSESELLRTKASVP
VVAPVNIHGGGSRSELVITWESIPEELQNGEGFYIIMFRPVGSTTWSKEKVSSVESSRFVYRNESIIP
LSPFEVKVGVYNNEGEGSLSTVTIVYSGEDELQAPRGTSLSFSASEMEVSWNAIAWNRNTGRVLGYEV
LYWDDSKESMIGKIRVSGNVTTKNITGLKANTIFYASVRYNTAGTGPSSPPVNVTTKSPSPQPPANI
AWKLNSKLCLNWEHVKTMESEVLGYKILYRQNRQSKTHILETNNTSAELLVPFEEDYLIEIRTVSDG
GDGSSSEIIRIPKMSSLSSRGIQFLEPSTHFLSIVIVIFHCFAIQPLI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6602_f05.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_014461

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_014461.4](#)

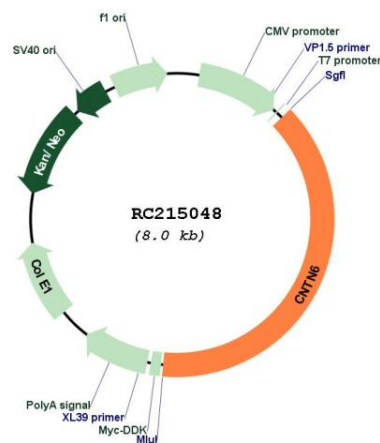
RefSeq Size: 3839 bp

RefSeq ORF: 3087 bp

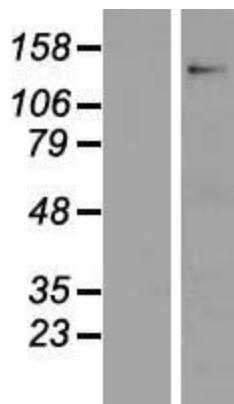
Locus ID: 27255
UniProt ID: [Q9UQ52](#)
Cytogenetics: 3p26.3
Domains: ig, IGc2, IG, FN3
MW: 114 kDa

Gene Summary: The protein encoded by this gene is a member of the immunoglobulin superfamily. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Product images:



Circular map for RC215048



Western blot validation of overexpression lysate (Cat# [LY415264]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215048 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).