

Product datasheet for **RG211757**

CNTN5 (NM_175566) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNTN5 (NM_175566) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CNTN5
Synonyms:	HNB-2s; NB-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211757 representing NM_175566 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCCTCTTGAAACTAATGCTGTTCTGTGTCAGTCACCATGTGTCTTTCAGAAAGTGGAAGTATG
 GGCCAGTTTTGTGCAAGAACCAGATGATATTATTTTCCAAGTATTCTGATGAAAAGAAGGTAGCATT
 GAATTGTGAAGTTCGTGGCAATCCAGTTCACAGATGGCTTCGAAATGGAACAGAAATAGATCTG
 GAAAGTGATTATCGCTACAGTTTATAGATGGCACCTTCATTATAAGCAATCCAAGTGAAGCAAAGGATT
 CTGGTCATTATCAGTGTTAGCAACCAACTGTGGGGAGTATTCTTAGTAGAGAAGCTACACTGCAGTT
 TGCCTATCTGGGAAATTTAGTGGCCGGACAAGAAGTGCAGTCTCTGTGAGGGAAGGCCAGGGTGTCTGTT
 CTGATGTGCTCTCCTCCGCCACATTCACAGAGATCATCTATAGCTGGGTATTTAATGAGTTCCTTCCT
 TTGTGGCGGAAGACAGCCGGCGGTTTCATCTCCAGGAGACAGGCAACCTTTATATTTCTAAAGTCCAAAC
 ATCAGATGTTGGCAGCTATATTTGTCTGGTGAAAAACACAGTGACGAATGCTAGAGTCTTAGTCTCCA
 ACGCCACTCACTCTGCGTAATGATGGTGTGATGGGAGAATATGAGCCGAAATGAGGTCCATTTTCCTT
 TCACGGTTACAGCTGCTAAAGGAACAAGTGAAGATGGAATGCTTGCAGTGGCAACCCCGTTTCCAAC
 AATCACATGGATGAAGGTTAATGGTTATATTCCTAGTAAGGCAGTCTGCGGAAATCTCAGGCGGTGCTG
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 TGAATCAATCAGATGCTGGAATGTATCAGTGTTTGGCTGAAAAAAGTATGGAGCCATTTACGCTAGTGC
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 TTCCAATCAGACGAGGGAAGTACGTTGCCGAGGGGAAACGCTTTTGGTTCTGCTGAAATTATAGCT


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TCGCTATCTGTAAAAGAACCTACAAGGATAGAAGTACTCCTAAAAGAACAGAAATTGACAGTGGGAGAAA
GCATTGTCCTTAATTGCAAAGCAATTCACGATGCTAGTTTGGATGTCACCTTTCTACTGGACTCTGAAAGG
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GATTCTTGTGTCATGGAACACATTAAAGAGAGTCTAGGAAGACCACAGGGATTTGAGGTTGGTTACTGG
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CAGCAAGGCTCTCAGGTTTCTCTGGGCTGGGAACCCGTCATACCATAGCCAACGAATCTGAAGTTGTGG
GTTACAAGGTTTTTTATAGGCAAGAGGGTCACAGCAACAGCCAAGTTATTGAAACACAGAACTTCAAGC
AGTAGTACCACTCCAGATGCTGGAGTCTATATTATTGAAGTTCGAGCATATAGTGAAGGAGGAGATGGA
ACAGCTAGTCTCAAATTAGGGTACCATCATATTACAGGTGGAATAACAAAGTGCACAGTCGACCCCTTC
ACTCTCTCCACATCTTCGTCATCAGTCACCTTGCTCTTGGCATTGATGATTCTTCAACTCTCTGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG211757 representing NM_175566

Red=Cloning site Green=Tags(s)

MASSWKMLFLSVTMCLSESVDYGPVFVQEPDDIIFPTDSDEKKVALNCEVRGNPVPSYRWLRNGTEIDL
ESDYRYSIDGTFIISNPSEAKDSGHYQCLATNTVGSILSREATLQFAYLGNFSGRTRSAVSVREGQGVV
LMCSPPPHSPEIIYSWFNEFPFVAEDSRRFISQETGNLYISKVQTSVGSYICLVKNTVTNARVLSPP
TPLTLRNDGVMGEYEPKIEVHFPTVTAAGTTVKMECFALGNPVPTITWMKVNGYIPSKARLRKSQAVL
EIPNVQLDDAGIYECRAENSRGKNSFRGQLQVYTYPHWVEKLNDTQLDSGSPLRWECKATGKPRPTYRWL
KNGVPLSPQSRVEMVNGVLMIHNVNQSDAGMYQCLAENKYGAIYASAEKILASAPTALNQLKKTIIIVT
KDQEVVIECKPQGSPPKPTISWKKGDRAVRENKRIAILPDGSLRILNASKSDEKGYVCRGENVFGSAEIIA
SLSVKEPTRIELTPKRTELTVGESIVLNCKAIHDASLDVTFYWLKGPIDFEEEGGHFESIRAQASSAD
LMIRNILLMHAGRYGCRVQTTADSVSDEAELLVRGPPGPPGIVIEEITESTATLSWSPAADNHSPISY
NLQARSPFSLGWQTVKTVPEIITGDMESAMAVDLNPWVEYFRVATNPITGDPSTPSRMIRTNEAVPK
TAPTNVSGRSGRRHELVIWEPVSEEFQNGEGFGYIVAFRPNNGTRGWKEKMTVSSEASKFIYRDESVPPL
TPFEVKVGVYNNKGDGPFQIVVICSAEGEPSAAPTVDKATSVSVSEILVAWKHIESLGRPQGFEVGYW
KDMEQEDTAETVKTRGNESFVILTGLEGNTLYHFTVRAYNGAGYPPSPSEVSATTKSPSPSQAPSNLRWE
QQGSQVSLGWEPVIPLANESEVVGKVFYRQEGHSNSQVIETQKLQAVVPLPDAGVYIIEVRAYSEGGDG
TASSQIRVPSYSGGKITSAQSTLHSLSTSSSVTLLLALMIPSTSW

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_175566

ORF Size: 3078 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.

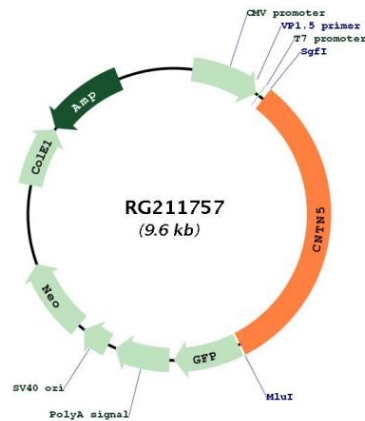
RefSeq: [NM_175566.2](#), [NP_780775.1](#)

RefSeq Size: 5816 bp

RefSeq ORF: 3081 bp
 Locus ID: 53942
 UniProt ID: [O94779](#)
 Cytogenetics: 11q22.1
 Gene Summary:

The protein encoded by this gene is a member of the immunoglobulin superfamily, and contactin family, which mediate cell surface interactions during nervous system development. This protein 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. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RG211757