

Product datasheet for **RG221480**

CNTN4 (NM_175607) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNTN4 (NM_175607) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CNTN4
Synonyms:	AXCAM; BIG-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221480 representing NM_175607 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGTTGCCATGGAACTGCTGGTACTGCAATCATTCAATTTGTGCCTGCAGATGATCCACACTGC
ATGGCCCGATTTTATTCAAGAACCAAGTCTGTAAATGTTCCCTTTGGATTCTGAGGAGAAAAAGTGAA
GCTCAATTGTGAAGTTAAAGGAAATCCAAACCTCATATCAGGTGGAAGTAAATGGAACAGATGTTGAC
ACTGGTATGGATTTCCGCTACAGTGTGTTGAAGGGAGCTTGTGATCAATAACCCCAATAAAACCCAAG
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GTTTGCTTATCTTGACAACCTTAAAACAAGAACAAGAAGCACTGTGTCTGTCCGTGAGGTCAGGAATG
GTGCTACTGTGTGGCCCGCCACCCATTCTGGAGAGCTGAGTTATGCCTGGATCTTCAATGAATACCCCT
CCTATCAGGATAATCGCCGCTTTGTTTCTCAAGAGACTGGGAATCTGTATATTGCCAAAGTAGAAAAATC
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AACTTGGTAGTAAAGATCCAACAAGGGTAAATGGTACCCCTTCCAGTATGGATGTCACACTGTTGGAGAGA
GTATTGTTTTACCGTGCCAGGTAACGCATGATCACTCGCTAGACATCGTGTTTACTTGGTCATTTAATGG
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GGTGGAGCTTTCTTTGCCTTCGATGAAGATTATAATAGAAATTAAGCCATTCAGCGACGGAGGAGAT
GGCAGCAGCAGTGAACAAATTCGAATCCAAAGATATCAATGCCTACCGGAGAGGATCTGGGCTTCCA
CTTCGAATGCATGTACGCTGTACGCCATCAGTACAATAATGATTTCCCTCACAGCTAGGTCCAGTTTA
    
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG221480 representing NM_175607
 Red=Cloning site Green=Tags(s)

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MRLPWELLVLQSFILCLADDSTLHGPIFIQEPSPVMFPLDSEKKVKLNCEVKGPKPHIRWKLNGTDVD
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VLLCGPPPHSGELSYAWIFNEYPSYQDNRRFVSQETGNLYIAKVEKSDVGNVYTCVVTNTVTNHKVLGPPT
PLILRNDGVMGEYEPKIEVQFPETVPTAKGATVKLECFALGNPVPTIIWRRADGKPIARKARRHKSNGIL
EIPNFQQEDAGLYECVAENSRGKNVARGQLTFYAQPNIQKINDIHVAMEENVFWECKANGRPKPTYKWL
KNGEPLLTRDRIQIEQGLNITIVNLS DAGMYQCLAENKHGVIFSNAELSVI AVGPDFSRTLLKRVTLVK
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NLVVKDPTRVMVPPSSMDVTVGESIVLPCQVTHDHS LDIVFTWSFNHGLIDFDRDGDHFERVGGQDSAGD
LMIRNIQLKHAGKYVCMVQTSVDRLSAAADLIVRPPGPPEAVTIDEITDTTAQLSWRPGPDNHSPITMY
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SPFEVKVGVFNKGE GEPFSPTTVVYSAEEEEPKPPASIFARLSATDIEVFWASPLEKNRGRIQGYEVKY
WRHEDKEENARKIRT VGNQSTKITNLKGSVL YHLAVKAYNSAGTGPSSATVNVTRKPPPSQPPGNIW
NSSDSKIILNWDQVKALDNESEVKYKLYRWNRSSTSVIETNKTSVELSLPFDEDIIEIKPFSDDGD
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TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_175607

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_175607.3](#)

RefSeq Size: 5043 bp

RefSeq ORF: 3081 bp

Locus ID: 152330

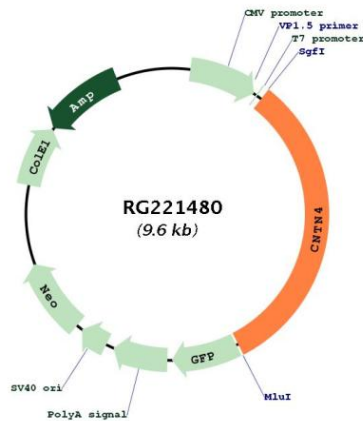
UniProt ID: [Q8IWW2](#)

Cytogenetics: 3p26.3-p26.2

Protein Families: Secreted Protein

Gene Summary: This gene encodes a member of the contactin family of immunoglobulins. Contactins are axon-associated cell adhesion molecules that function in neuronal network formation and plasticity. The encoded protein is a glycosylphosphatidylinositol-anchored neuronal membrane protein that may play a role in the formation of axon connections in the developing nervous system. Deletion or mutation of this gene may play a role in 3p deletion syndrome and autism spectrum disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2011]

Product images:



Circular map for RG221480