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# Product datasheet for SC128140

## CNTN4 (NM_175607) Human Untagged Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | CNTN4 (NM_175607) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | CNTN4 |
| **Synonyms:** | AXCAM; BIG-2 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL4 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |



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**Fully Sequenced ORF:**

>NCBI ORF sequence for NM_175607, the custom clone sequence may differ by one or more nucleotides

ATGAGGTTGCCATGGGAACTGCTGGTACTGCAATCATTCATTTTGTGCCTTGCAGATGATTCCACACTGC
ATGGCCCGATTTTTATTCAAGAACCAAGTCCTGTAATGTTCCCTTTGGATTCTGAGGAGAAAAAAGTGAA
GCTCAATTGTGAAGTTAAAGGAAATCCAAAACCTCATATCAGGTGGAAGTTAAATGGAACAGATGTTGAC
ACTGGTATGGATTTCCGCTACAGTGTTGTTGAAGGGAGCTTGTTGATCAATAACCCCAATAAAACCCAAG
ATGCTGGAACGTACCAGTGCACAGCGACAAACTCGTTTGGAACAATTGTTAGCAGAGAAGCAAAGCTTCA
GTTTGCTTATCTTGACAACTTTAAAACAAGAACAAGAAGCACTGTGTCTGTCCGTCGAGGTCAAGGAATG
GTGCTACTGTGTGGCCCGCCACCCCATTCTGGAGAGCTGAGTTATGCCTGGATCTTCAATGAATACCCTT
CCTATCAGGATAATCGCCGCTTTGTTTCTCAAGAGACTGGGAATCTGTATATTGCCAAAGTAGAAAAATC
AGATGTTGGGAATTATACCTGTGTGGTTACCAATACCGTGACAAACCACAAGGTCCTGGGGCCACCTACA
CCACTAATATTGAGAAATGATGGAGTGATGGGTGAATATGAGCCCAAAATAGAAGTGCAGTTCCCAGAAA
CAGTTCCGACTGCAAAAGGAGCAACGGTGAAGCTGGAATGCTTTGCTTTAGGAAATCCAGTACCAACTAT
TATCTGGCGAAGAGCTGATGGAAAGCCAATAGCAAGGAAAGCCAGAAGACACAAGTCAAATGGAATTCTT
GAGATCCCTAATTTTCAGCAGGAGGATGCTGGTTTATATGAATGTGTAGCTGAAAATTCCAGAGGGAAAA
ATGTAGCAAGGGGACAGCTAACTTTCTATGCTCAACCTAATTGGATTCAAAAAATAAATGATATTCACGT
GGCCATGGAAGAAAATGTCTTTTGGGAATGTAAAGCAAATGGAAGGCCTAAGCCTACATACAAGTGGCTA
AAAAATGGCGAACCTCTGCTAACTCGGGATAGAATTCAAATTGAGCAAGGAACACTCAACATAACAATAG
TGAACCTCTCAGATGCTGGCATGTATCAGTGTTTGGCAGAGAATAAACATGGAGTTATCTTTTCCAACGC
AGAGCTTAGTGTTATAGCTGTAGGTCCAGATTTTTCAAGAACACTCTTGAAAAGAGTAACTCTTGTCAAA
GTGGGAGGTGAAGTTGTCATTGAGTGTAAGCCAAAAGCGTCTCCAAAACCTGTTTACACCTGGAAGAAAG
GAAGGGATATATTAAAAGAAAATGAAAGAATTACCATTTCTGAAGATGGAAACCTCAGAATCATCAACGT
TACTAAATCAGACGCTGGGAGTTATACCTGTATAGCCACTAACCATTTTGGAACTGCTAGCAGTACTGGA
AACTTGGTAGTGAAAGATCCAACAAGGGTAATGGTACCCCCTTCCAGTATGGATGTCACTGTTGGAGAGA
GTATTGTTTTACCGTGCCAGGTAACGCATGATCACTCGCTAGACATCGTGTTTACTTGGTCATTTAATGG
ACACCTGATAGACTTTGACAGAGATGGGGACCACTTTGAAAGAGTTGGAGGGCAGGATTCAGCTGGTGAT
TTGATGATCCGAAACATCCAACTGAAGCATGCTGGGAAATATGTCTGCATGGTCCAAACAAGTGTGGACA
GGCTATCTGCTGCTGCAGACCTGATTGTAAGAGGTCCTCCAGGTCCCCCAGAGGCTGTGACAATAGACGA
AATCACAGATACCACTGCTCAGCTCTCCTGGAGACCCGGGCCTGACAACCACAGCCCCATCACCATGTAT
GTCATTCAAGCCAGGACTCCATTCTCCGTGGGCTGGCAAGCAGTCAGTACAGTCCCAGAACTCATTGATG
GGAAGACATTCACAGCGACCGTGGTGGGTTTGAACCCTTGGGTTGAATATGAATTCCGCACAGTTGCAGC
CAACGTGATTGGGATTGGGGAGCCCAGCCGCCCCTCAGAGAAACGGAGAACAGAAGAAGCTCTCCCCGAA
GTCACACCAGCGAATGTCAGTGGTGGCGGAGGCAGCAAATCTGAACTGGTTATAACCTGGGAGACGGTCC
CTGAGGAATTACAGAATGGTCGAGGCTTTGGTTATGTGGTGGCCTTCCGGCCCTACGGTAAAATGATCTG
GATGCTGACAGTGCTGGCCTCAGCTGATGCCTCTAGATACGTGTTCAGGAATGAGAGCGTGCACCCCTTC
TCTCCCTTTGAGGTTAAAGTAGGTGTCTTCAACAACAAAGGAGAAGGCCCTTTCAGTCCCACCACGGTGG
TGTATTCTGCAGAAGAAGAACCCACCAAACCACCAGCCAGTATCTTTGCCAGAAGTCTTTCTGCCACAGA
TATTGAAGTTTTCTGGGCCTCCCCACTGGAGAAGAATAGAGGACGAATACAAGGTTATGAGGTTAAATAT
TGGAGACATGAAGACAAAGAAGAAAATGCTAGAAAAATACGAACAGTTGGAAATCAGACATCAACAAAAA
TCACGAACTTAAAAGGCAGTGTGCTGTATCACTTAGCTGTCAAGGCATATAATTCTGCTGGGACAGGCCC
CTCTAGTGCAACAGTCAATGTGACAACCCGAAAGCCACCACCAAGTCAACCCCCCGGAAACATCATATGG
AATTCATCAGACTCCAAAATTATCCTGAATTGGGATCAAGTGAAGGCCCTGGATAATGAGTCGGAAGTAA
AAGGATACAAAGTCTTGTACAGATGGAACAGACAAAGCAGCACATCTGTCATTGAAACAAATAAAACATC
GGTGGAGCTTTCTTTGCCTTTCGATGAAGATTATATAATAGAAATTAAGCCATTCAGCGACGGAGGAGAT
GGCAGCAGCAGTGAACAAATTCGAATTCCAAAGATATCAAATGCCTACGCGAGAGGATCTGGGGCTTCCA
CTTCGAATGCATGTACGCTGTCAGCCATCAGTACAATAATGATTTCCCTCACAGCTAGGTCCAGTTTATG
A

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM_175607 unedited
TGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGCCAGGATTGGCTGCAAGTA
GGGAGCTTTCGCCGCCGCCCCGGGCCCCTCGGACTGTGCCGGCGCCGCACCCGAGGCTCT
CGCCAGCCCGGCGCCCCGGTGCTGAGGAATCATTGACATAGAGTAACTCCACAGCATGTG
TCTTCAAGAGCTTCCCTAAAAGATTAAAGGTTATACAAAACTTAAAAGAAGCAGCAATTC
TATTCGCTTGTTATTGGACTTGAAACTCCCTTTGACCTCGGAAACTGAAGATGAGGTTGC
CATGGGAACTGCTGGTACTGCAATCATTCATTTTGTGCCTTGCAGATGATTCCACACTGC
ATGGCCCGATTTTTATTCAAGAACCAAGTCCTGTAATGTTCCCTTTGGATTCTGAGGAGA
AAAAAGTGAAGCTCAATTGTGAAGTTAAAGGAAATCCAAAACCTCATATCAGGTGGAAGT
TAAATGGAACAGATGTTGACACTGGTATGGATTTCCGCTACAGTGTTGTTGAAGGGAGCT
TGTTGATCAATAACCCCAATAAAACCCAAGATGCTGGAACGTACCAGTGCACAGCGACAA
ACTCGTTTGGAACAATTGTTAGCAGAGAAGCAAAGCTTCAGTTTGCTTATCTTGACAACT
TTAAAACAAGAACAAGAAGCACTGTGTCTGTCCGTCGAGGTCAAGGAATGGTGCTACTGT
GTGGCCCGCCACCCCATTCTGGAGAGCTGAGTTATGCCTGGATCTTCATGAATACCCTTC
CTATCANGATAATCGCCGCTTTGTTTCTCAAGAACTGGGAATCTGTATATTGCCAAAGTA
GAAAAATCAGATGTTGGGAAATATACCTGTGTGGTTACCANTACCGA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM_175607 unedited
TANGACTCGGTTTTTTTTTTTTTTTTTATCTTTACAAATGACAGAATATTTATTAACAA
TACCTTTAAAAAAGATACATATGCTAGATCACTGGTAAATATCATTTTACACTGGGGTTG
GGAACTCCCTGGGTGTCATTTTTTTTCGTTCATTTTATTATTTTGCTGATTTTTTTTTTG
CATGTGATTTTAAATTTTATTTCAACATAGAAGTAACCATATCAAACTAAGAAAGGAACA
CAGCTTGAAATACTGACAATATTTTTTTCCGGTTACCACCCTAGTTTTTACACAAATGGA
ATCCCGATTATGACTTTATTGGATAAATATAACTAGAAGGTTGAAAAGTTATATTATTTG
TAAGCAAAAATGACAAACTATAGCAAATTTGAGTTCTCTGAGAAAGAAGAAAAGGTGGCA
GCATGTTTACATGAGAAAATGTTTATAGAAAATTCCATTGCCTTTTATGTCACTGTCCAG
TAGGGTTTACTCACAAAACCTTTCTCATTGTAACAAATAGTTCTTTTCATAAGAATACAG
TTTTGTTGATATTGTCATTTTCCAATGTGTGATTTTAAGACCTAGAAGGTAAAGCATATA
AAGCAACTAGGCTACCTATTGCAAAACAGATTCATCAAGAAACCCTACCATTGTACTAAA
GAGCTTTTATAGAGTCATATTAAAAATTCTTGCCGCCACTATTTGGTGGAATAGGAGCAA
TCCTTCCAAGTCCATATGTAAATTTTGGTTCCAAAGAAGGGCTCTTTATTTACGGAGTTC
CCCTTTTTTTTTTAAGGAATTTTTGTAAGGAATTTCGAATCCCTTGGACGGGAAATACTT
TTTTTTAATTTTTCTTTCAAAAAAAAACCGGTTAAGAAC

**Restriction Sites:** NotI-NotI

**ACCN:** NM_175607

**Insert Size:** 5100 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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).

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|---|---|
| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_175607.1, NP_783200.1 |
| **RefSeq Size:** | 5043 bp |
| **RefSeq ORF:** | 3081 bp |
| **Locus ID:** | 152330 |
| **UniProt ID:** | Q8IWV2 |
| **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]<br>Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1, 4 and 6 encode the same isoform (a). |