

## Product datasheet for **MC222448**

### **Cntn5 (NM\_001033359) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cntn5 (NM_001033359) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cntn5
Synonyms:	6720426O10Rik; A830025P08Rik; Gm507; NB-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222448 representing NM\_001033359  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTTCTGTGGAGACTCATTCTGTCTGTCTGTCCACCAGGTGGCTTTCAGAGATCATCTATAGT  
 GGGTCTTCAATGAGTTCCCTTCTTTGTGGCAGAGGACAGCCGGCGTTTCATATCCAAGAGACAGGCAA  
 CCTTTATATTTCTAAAGTCAAACATCCGATGTTGGCAGCTACATTTGTCTGGTAAAAATGCTGTGACA  
 AATGCTCGCGTCTCAGTCTCCAACCCACTCACGCTGCGAAATGATGGTGTGATGGGAGAATATGAGC  
 CAAAAATTGAGGTCCATTTCTTTCACTGTACAGCTGCTAAGGGAACAACGTGAAGATGGAATGCTT  
 TGCCTTGGCAACCCGGTCCAACAATTACTTGGATGAAGTTAACGGTTACATTCCTAGTAAGTCCAGA  
 CTGCGGAAATCCAGGCAGTCTGGAGATTCAAACCTGCAGCTGGATGATGCCGGAATATACGAATGCA  
 CAGCTGAAAACTCCCGTGGAAAAACTCCTTTCTGTGGACAGCTACAAATATTCACATACCCACACTGGT  
 ACAGAACTGAATGATACCCAGTGGACAGTGGGAGTCTCTGCAGTGGGATGCAAGGCTACTGAAAAG  
 CCCAGACCACATACCGCTGGCTGAAGAATGGAGCACCCCTCTTGCCGCAGAGCAGAGTGGACACAGTGA  
 ATGGAATATTGGCGATCCAGAGTGTGAATCAATCAGATGCTGGGATGTATCAGTGTGGCTGAGAATAA  
 ATATGGAGCTATTTATGCGAGTCTGAGCTGAAGATTCTAGCTTCGCGCCCTCCTTCGAACTGAATCAA  
 GTGAAGAAATCCATAATTGTTACCAAAGACCGGGAGTGTCTATAGAGTGCGAACCCAGGGATCTCCAA  
 AGCCAGCCATCTCCTGGAGGAAGGGAGACAAGGCAGTGGGGCGAATAAAGAATAGCTATTTCCAGA  
 CGGAAGCCTGAGGATCTAAACGCTTCTAAAGCAGATGAGGGGAAGTACATTTGCCAAGGGTGAACATC  
 TTCGGTCTGCAGAGATTATAGCTTCCCTGTCTGTCAAAGAACCACAAGGATAGAGCTTACTCCTAAAA  
 GAACAGGTTAACTGTTGGAGAGAGCATTGTCTCAACTGTAAAGCTATCCACGACCCAGTGTGGACGT  
 CACTTTCTACTGGACATTAAGGACAACCTATTGATTTGAGAAAGAAGGCGGACATTTGAAAAACATC  
 AGGGCTCAAGCATCCTCTGCAGATTTAATGATCAGGAACATCCTTCTGATGCATGCTGGGAGATATGGCT  
 GCAGGGTACAGACCACAGCAGACAGTGTGTGAGTGGAGCAACTTCTTGTAGGGTCCCCAGGGCC  
 ACCTGGAGTGGTCATAGTAGAGGAGATTACAGAAAGCACAGCCACTCTCTCATGGAGTCCAGCAACTGAC  
 AACCATAGCCCCATCTTCTTACAACCTTCAGGCTCGCAGCCCTTCTCCCTGGGCTGGCAAACAGTGA  
 AGACAGTCCCAGAAGTCATCACAGGAGACATGGAGTCAAGTGGCTGTGGACCTAAACCCCTGGGTAGA  
 ATATGAATCCGAGTGGTGGCCACCAATCCAATGGGACAGGAGATCCAAGCATTCCATCTCGAATGATC  
 CGCACAATGAGGCAGTCCAAAGACGGCACCCAGCAACGTGAGTGAAGAAGTGAAGAAGGCATGAGT  
 TGGTCATTGCCTGGGAGCCAGTATCAGAAGAGTTTCAGAATGGGGAAGGCTTCGGCTACATAGTGGCATT  
 CAGACCTAATGGAACACGTGGCTGGAAGGAGAAAAATGGTTACGTCTTCGGAGGCGTCCAAGTTCATTTAC  
 CGAGATGAAAGTGTCCCTCCTCTCACACCTTTGAGGTCAAAGTGGTGTATAATAATAAAGGTGATG  
 GGCTTTTCAGCCAGATCGTAGTCATCTGTTGAGCTGAGGGAGAACCCTGCTGCTCCACTGACGTAC  
 AGCAACCAAGTGTGTGAGTGTGAGAGATTTTGTGTATGGAAACATGTTAAGGAGAGTCTTGAAGACCA  
 CAGGGGTTTGGATTAGTTACTGGAAAGATACCGAGCCAGAAGACTCCGTAGAAACAGTCCGAACAGAG  
 GGAATGAGTCATTCGTCATGTTGACGGGATTGGAAGGCAACACTCTATCACCTCACAGTCAGGGCTTA  
 CAATGGAGCCGGCTATGGGCCACCCAGCAGGGAAGCAAGCACACCACAAAGAGGCACCCCTAGGGAG  
 CCACCTGGCAACCTCCGGTGGGAGCAGCAGGGCTCCCAAGTTTCCCTAGGCTGGGAGCCAGTCAAGCCCC  
 TAGCCAATGAGTCTGAAGTCATGGGTTACAAGTTTTTTATAGGCAAGAGGGTACAGCGAAGGTCAAGT  
 TATTGAGACACAGAACTCAAGCTGTAGTGCCTCTACCTGAGGCTGGAGTCTACATTATTGAAGTTCGA  
 GCGTACAGTGGGGAGGAGATGGAACAGCTAGCTCCCAAATCAGGGTTCCCTTCATATTAGGTGGAAAA  
 TCACAAGCGTCACTCAACCCTGCACTCTCTCCAAGTGGTCTCAGTAACTGCTCTTGGCTTTGAT  
 GCTTCTCCAGTTCCTGG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001033359

<b>Insert Size:</b>	2682 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001033359.2</a></u> , <u><a href="#">NP_001028531.2</a></u>
<b>RefSeq Size:</b>	3606 bp
<b>RefSeq ORF:</b>	2682 bp
<b>Locus ID:</b>	244682
<b>Cytogenetics:</b>	9 A1
<b>Gene Summary:</b>	<p>Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity in the cerebral cortical neurons but not in hippocampal neurons (By similarity). Involved in neuronal activity in the auditory system.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks three alternate in-frame exons in the 5' coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1.</p>