

## Product datasheet for **RN209943**

### **Clstn2 (NM\_134377) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Clstn2 (NM_134377) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Clstn2
Synonyms:	Cs2; Cstn2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN209943 representing NM\_134377  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTGCCGGGGAGGCTGTGCTTGGTGCCGCTCCTGCTGGCGCTGGGCGTAGGGAGCGGGGAGGCAGCG  
 GCGACGGCGGGGACAGCCGGCGCGCCGCTCCTCGCGCGGAAAGTCAATAAACACAAGCCATGGATCGA  
 GACATCGTATCATGGAGTCATACTGAGAACAATGACACAGTCATCTTGACCCTACTATCGTAGCCCTG  
 GACAAAGACGCCCCAGTGCCATTTGAGGGGAAATCTGCGCATTCAAGATCCATGGGCAGGAGCTGCCTT  
 TTGAAGCTGTGGTCTCAATAAGACATCTGGAGAGGGCCGGCTCCGTGCCAAGAGTCCCATCGACTGTGA  
 GCTACAGAAGGAGTACACATTCATCCAGGCCATGACTGTGGTGCAGGACCTCAGGAAGCAGCCTGG  
 AAGAAGTCACACAAGGCTGTGGTCCACATCCAGGTGAAGGATGTCAATGAGTTCGACCCACCTTCAAAG  
 AACCCAGCTACAAAGCCATCGTCACAGAGGGCAAGATCTATGACAGCATCCTGCAGGTAGAAGCCATCGA  
 TGAGGACTGCTCCCCCAATACAGCCAGATTTGCAACTATGAAATGTGACGACGGATGTGCCTTTTGCC  
 ATTGACAGAAATGGCAACATCAGAAACTGAGAAGCTGAGCTATGACAAGCAACGCCAGTATGAGATCC  
 TGGTAAGTGTATGACTGTGGACAGAAGCCCGCTGCTCAGGACACCCTGGTCCAGGTGGATGTGAAGCC  
 AGTGTGTAAAGCCTGGCTGGCAAGATTGGACAAAAGGATTGAGTACCAGCCCGGCTCAGGGAGTATGCC  
 TTGTTCCCGGCATCCACCTGGAGACATGCGACGGAGCTGTGCTCCTCCAGTCACTGCAGAGCTGC  
 AGACTAATTACATCGGCAAGGGCTGTGACCGAGAGACCTACTCTGAGAAATCCCTTCAGAAACTATGTGG  
 AGCATCCTCGGCATCATCGACCTTTGCCATCCCCTAGTGGCGCTACCAACTGGACTGCTGGACTCCTG  
 GTGGACAGCAGTGAGATGATCTCAAGTTTGTGGCAGGAGGGTCCCAAGATCCAGATGGGATTTGTGC  
 CCAAGAACCCTGACAGACCAGTTCACCATCACAATGTGGATGAAACATGGCCCCAGCCCTGGCGTGAGAGC  
 TGAGAAGGAAACCATCCTCTGTAAGTCAAGTAAACTGAAATGAACCGGCATCACTATGCCTTGTATGTG  
 CACAAGTCCCGCCTTGTCTTCTCCTGCGGAAGGACTTTGACCAGGCAGACACCTTTGCCCCGAGAGT  
 TTCCTGGAAGCTGGACCAGATTGTGACAAAGAGTGGCATTACTATGTCATCAATGTGGAGTTCCTGT  
 GGTCACTTGTACATGGATGGAGCAACATATGAACCATACCTGGTGACCAATGACTGGCCATTATCCA  
 TCTCACATAGCCATGCAACTCACTGTGCGCGCCTGTTGGCAAGGAGGTGAAGTGGCCAAACCACGGTTT  
 CACAATTTTTCCATGGCAGCCTTGCCAGTCTCACAATCCGTCTGGCAAATGAAAGCCAGAAGGTGAT  
 TTCTTGTGTTGAGCCTGCAAAGAAGGGCTGGATATTAATCCTTGGAAAGCCTTGGCCGAGGGATAAAG  
 TATCACTTCAACCCTTACAGTCCATCCTTGTGATGGAAGGCGATGACATTGGGAACATCAACCAAGCCC  
 TCCAGAAAGTCTCTACATCAACTCCAGGCAGTCCCAACAGCAGGGGTCCGGCGCCTCAGACTCTCTTC  
 TAAAGTCCAGTGCTTTGGGAAGACGTGTGCATCAGCATCCCAGATGTGGATGCCTACATCATGGTCCTG  
 CAGGCCATCGAGCCCCAGATCACCTCCAGGGAACAGAGCGTTTCTGGAGACCTGCTGCCAGTTGAAA  
 GTGCCAGAGGAGTACTCTTCCCTGACATCAAGATCATCAGCACCTTTGCCAAGACTGAGGCCTCTGG  
 GGACTTGAGAGCTACAGGCACAGCCCCAAATCGGCAGTCTTGGAAAGAAATGCTACATAATTTGGATTT  
 TGTGATATTTGGTGCTTGGAGGGGACTTGGATCCAAGACAAGAGTGTGGAGCTCAACCACAGTGAGC  
 TCCACCAACGACACCTTGATGCCACCACTCTACTGCTGGCTACTCTATCTATGGTGTGGGTCCATGAG  
 CCGTTATGAGCAGGTACTGCACCACCTCGTTACCGCAACTGGCACCCCACTTCCCTTGAGACTCGGAGG  
 TTCCAGATCAAGTGTTCAGAGTCAATGGGCGTTACACCAGCAATGAGTTCAACTTAGAGGTCAGTGTC  
 TCCATGAAGTTAGAGTCTCTGATACGGAACATGTCAACCATCTTATTGTGACGCCACCTTCTCCAGTC  
 TGTCTATCACCTGAGACCCGGAGTAGTATCCAGCGCAGTTCAGTGGTCCCGAGCATCGCCACTGTGGTC  
 ATCATTATCTCTGTGTCATGCTAGTGTGTTGTTGGCCATGGGTGTGTACCGAGTCCGAATTGCCACC  
 AGCATTATCAAGAGACTGAGGCTGCCAAGGAGGCTGAAATGGATTGGGATGACTCTGCACTGACTAT  
 CACAGTCAACCCTATGGAGAAACATGAAGGACCAGGGCATGGAGAAGACGAGACTGAAGGAGAGGAAGAA  
 GAAGAAGCAGAGGAAGGCATGAGCTCCAGCAGCAGTGGCTCTGATGACAGTGAAGAGGAAGAAGAGGAAG  
 GGATGGGCAGAGTCAGACATGGGCAGAGTGGCACCAGCTCTCAACGCCCTGAAAGAAGTACCTGGAATAC  
 AGCAGGAGTCATAAACATTTGGAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_134377
<b>Insert Size:</b>	2898 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_134377.1</a></u> , <u><a href="#">NP_599204.1</a></u>
<b>RefSeq Size:</b>	2920 bp
<b>RefSeq ORF:</b>	2898 bp
<b>Locus ID:</b>	171394
<b>UniProt ID:</b>	<u><a href="#">Q8VDA1</a></u>
<b>Cytogenetics:</b>	8q31
<b>Gene Summary:</b>	postsynaptic membrane protein involved in excitatory synaptic transmission [RGD, Feb 2006]