

Product datasheet for **MC222875**

Clstn2 (NM_022319) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clstn2 (NM_022319) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clstn2
Synonyms:	2900042C18Rik; AI448973; Cs2; Cst-2; CSTN2; mKIAA4134
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC22875 representing NM_022319
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGCCGGGGAGGCTGTGCTTGGTGCCGCTCCTGCTGGCGCTGGGCGTAGGGAGCGGGCGGGCAGTG
 GAGACGGCGGAGACAGCCGGCGCGCCGCTCCTCGTGCGGAAAAGTCAATAAACACAAGCCATGGATCGA
 GACATCGTATCACGGAGTCATAACTGAGAACAATGACACAGTCATCTTGACCCTCCACTGGTTGCCCTG
 GATAAAGATGCCCCAGTGCCTTTTGACGGGAAAATCTGTGCATTCAAGATCCATGGACAGGAGCTGCCCT
 TTGAGGCTGTGGTCTCAATAAGACATCTGGAGAGGGCCGGCTCCGCGCCAAGAGTCCCATCGACTGTGA
 GCTGCAGAAGGAGTACACGTTTCATCATCCAGGCCATGACTGTGGTGGGGGCTCGGGAAGCAGCCTGG
 AAGAAGTACACAAGGCTGTGGTCCACATCCAGGTGAAGGATGTCAATGAGTTTGACCCACCTTCAAAG
 AGCCAGCCTACAAGGCCATCGTCACGGAGGGCAAGATCTATGACAGCATCCTGCAGGTAGAAGCCATTGA
 TGAGGACTGCTCCCGCAGTACAGCCAGATTTGCAACTATGAAATTGTCAACGGATGTGCCTTTTGCC
 ATTGACAGAAATGGCAACATCAGGAACACTGAGAAGCTGAGCTATGACAAGCAACACCAGTATGAGATCC
 TGGTAACCGCTTATGACTGTGGACAGAAACCCGCGCTCAGGACACCCTGGTGCAGGTGGACGTGAAACC
 AGTGTGCAAGCCCGGCTGGCAAGATTGGACAAAAGGATTGAGTACCAGCCTGGCTCGGGGAGTATGCC
 TTGTTCCCCAGCATCCACCTGGAGACATGCGATGGAGCTGTGCTCCTCCAGTCACTGCGGAGCTGC
 AGACTAATTACATCGGCAAGGGCTGTGACCGAGAGACCTACTCTGAGAAATCCCTTCAGAAATATGTGG
 CGCATCCTCGGTATCATCGATCTTGCCGTCCTAGCGCAGCTACCAACTGGACTGCGGGGCTGCTG
 GTGGACAGCAGTGAGATGATCTTCAAGTTTGACGGCAGGCAAGGTGCAAGATCCCTGATGGGATCGTGC
 CCAAGAACCTGACGGACCAGTTCACCATCACCATGTGGATGAAACATGGCCCCAGCCCCGGCTGAGAGC
 CGAGAAGGAAACTATCCTCTGTAACCTAGATAAAAACCTGAAATGAACCGGCATCACTATGCCCTGTATGTG
 CACAACCTGCCGCTCGTCTTCTCCTGCGGAAGGACTTTGACCAGGCAGACACCTTTGCGCCTGCAGAGT
 TTCACTGGAAGCTGGACCAGATTTGTGACAAAAGAGTGGCATTACTATGTCATCAATGTGGAGTTCCTGT
 GGTACCCTGTACATGGATGGAGCAACATATGAACCATACCTGGTACTAATGACTGGCCATTATCCA
 TCTCACATAGCCATGCAACTTACTGTGCGGCGCTGTTGGCAAGGAGGCGAAGTGGCCAAACCACGGTTTG
 CACAATTTTTCCATGGCAGCCTTGCCAGTCTCACAATCCGTCTGGCAAATGAAAGCCAGAAGGTGAT
 TTCTTGTGTTGACGGCCTGCAAAGAAGGGCTGGATATTAATCCTTGAAAGCCTTGGGCGAGGGATAAAG
 TATCACTTCAACCCTTACAGTCCATCCTCGTGTGGAAGGCGATGACATTGGGAACATCAACCGAGCCC
 TCCAGAAAGTCTCCTATATCAACTCCCGCAATTCCTCAACAGCAGGGGTCCGGCGCTCAGACTCTCTTC
 CAAAGTCCAGTGCTTTGGAGAAGATGTGTGCATCAGCATCCCAGATGTGGATGCCTACATCATGGTCTTA
 CAGGCCATTGAGCCCCAGATCACCTCCAGGGAACAGAGCGTTTCTGGAGACCTGCTGCCAGTTTGAAA
 GTGCCAGAGGAGTGACTCTTCCCTGACATCAAGATTGTGAGCACCTTTGCCAAGACTGAGGCCTCCGG
 GGACATGAGAGCCACAGGTACAGCCCCAAATCAGCAGTCTTGGAAAGAAATGCTACACAATTTGGATTTCT
 TGTGACATTTTGGTGTGGAGGGGACTTGGATCCAAGGCAAGAGTGCTGGAGCTCAACCACAGTGAGC
 TCCACCAACGACACCTTGATGCCACCACTCACTGCTGGCTACTCCATCTATGGTGTGGGCTCCATGAA
 CCGTATGAGCAGGTGCTGCATCACCTCCGTTACCGCAACTGGCACCCACGTCCTTGGAGCCGGAGG
 TTCCGGATCAAGTGCTCAGAACTCAACGGCGTTACACTAGCAATGAGTTCAACTTGGAGGTCAGTGTC
 TCCATGAAGTGAGAGTCTCTGACAAGGAACATGTCAACCACCTTATTGTGACGCCACCTTTCTCCAGTC
 TGTCCATCACCTGAGACCCGGAGTAGTATCCAGCGCAGTTCAAGTGGTCCCGAGCATCGCCACTGTCGTC
 ATCATTATCTCTGTGTCATGCTAGTGTGTTGTTGGCCATGGGTGTGTACCGAGTCCGAATTGCCACC
 AGCATTATCAAGAGACTGAGGCTGCCAAGGAAGCTGAGATGGACTGGGATGACTCTGCACTGACTAT
 CACTGTCAACCCTATGGAGAAACATGAAGGCCAGGGAACGGGGAAGATGAAACCACCGAAGTAGAGGAA
 GAGGAGGAAGCAGAGGAAGGCTCGAGCTCAGCAGCAGTGGTTCCGATGACAGCGAAGAGGAAGAAGAGG
 AAGGGATGGGAGAGTACAGATGGGCAGAGCGCACAGCTCTCAAAGCCTGAAAGAAGTACCTGGAA
 CACTGCAGGAGTCATAAACATTTGGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_022319
Insert Size:	2901 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).
Reconstitution Method:	<ol style="list-style-type: none"> 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:	<u>NM_022319.2</u> , <u>NP_071714.2</u>
RefSeq Size:	4494 bp
RefSeq ORF:	2901 bp
Locus ID:	64085
UniProt ID:	<u>Q9ER65</u>
Cytogenetics:	9 E3.3
Gene Summary:	May modulate calcium-mediated postsynaptic signals.[UniProtKB/Swiss-Prot Function]