OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR211338

Clstn2 (NM_022319) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clstn2 (NM_022319) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

ORF Nucleotide Sequence:

>MR211338 representing NM_022319
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCCGGGGAGGCTGTGCTTGGTGCCGCTCCTGCTGGCGCTGGGCGTAGGGAGCGGCGGCGGCAGTG
GAGACGGCGGAGACAGCCGGCGGCGCCGCCTCCTCGTGGCGAAAGTCAATAAACACAAGCCATGGATCGA
GACATCGTATCACGGAGTCATAACTGAGAACAATGACACAGTCATCTTGGACCCTCCACTGGTTGCCCTG
GATAAAGATGCCCCAGTGCCTTTTGCAGGGGAAATCTGTGCATTCAAGATCCATGGACAGGAGCTGCCCT
TTGAGGCTGTGGTGCTCAATAAGACATCTGGAGAGGGCCGGCTCCGCGCCAAGAGTCCCATCGACTGTGA
GCTGCAGAAGGAGTACACGTTCATCATCCAGGCCTATGACTGTGGTGCGGGGCCTCGGGAAGCAGCCTGG
AAGAAGTCACACAAGGCTGTGGTCCACATCCAGGTGAAGGATGTCAATGAGTTTGCACCCACCTTCAAAG
AGCCAGCCTACAAGGCCATCGTCACGGAGGGCAAGATCTATGACAGCATCCTGCAGGTAGAAGCCATTGA
TGAGGACTGCTCCCCGCAGTACAGCCAGATTTGCAACTATGAAATTGTCACAACGGATGTGCCTTTTGCC
ATTGACAGAAATGGCAACATCAGGAACACTGAGAAGCTGAGCTATGACAAGCAACACCAGTATGAGATCC
TGGTAACCGCTTATGACTGTGGACAGAAACCCGCCGCTCAGGACACCCTGGTGCAGGTGGACGTGAAACC
AGTGTGCAAGCCCGGCTGGCAAGATTGGACCAAAAGGATTGAGTACCAGCCTGGCTCGGGGAGTATGCCC
TTGTTCCCCAGCATCCACCTGGAGACATGCGATGGAGCTGTGTCCTCCCTCCAGGTCACTGCGGAGCTGC
AGACTAATTACATCGGCAAGGGCTGTGACCGAGAGACCTACTCTGAGAAATCCCTTCAGAAATTATGTGG
CGCATCCTCGGGTATCATCGATCTCTTGCCGTCCCCTAGCGCAGCTACCAACTGGACTGCGGGGCTGCTG
GTGGACAGCAGTGAGATGATCTTCAAGTTTGACGGCAGGCAGGGTGCCAAGATCCCTGATGGGATCGTGC
CCAAGAACCTGACGGACCAGTTCACCATCACCATGTGGATGAAACATGGCCCCAGCCCCGGCGTGAGAGC
CGAGAAGGAAACTATCCTCTGTAACTCAGATAAAACTGAAATGAACCGGCATCACTATGCCCTGTATGTG
CACAACTGCCGCCTCGTCTTCCTCCTGCGGAAGGACTTTGACCAGGCAGACACCTTTCGCCCTGCAGAGT
TTCACTGGAAGCTGGACCAGATTTGTGACAAAGAGTGGCATTACTATGTCATCAATGTGGAGTTCCCTGT
GGTTACCCTGTACATGGATGGAGCAACATATGAACCATACCTGGTGACTAATGACTGGCCCATTCATCCA
TCTCACATAGCCATGCAACTTACTGTCGGCGCCTGTTGGCAAGGAGGCGAAGTGGCCAAACCACGGTTTG
CACAATTTTTCCATGGCAGCCTTGCCAGTCTCACAATCCGTCCTGGCAAAATGGAAAGCCAGAAGGTGAT
TTCTTGTTTGCAGGCCTGCAAAGAAGGGCTGGATATTAATTCCTTGGAAAGCCTTGGGCGAGGGATAAAG
TATCACTTCAACCCTTCACAGTCCATCCTCGTGATGGAAGGCGATGACATTGGGAACATCAACCGAGCCC
TCCAGAAAGTCTCCTATATCAACTCCCGGCAATTCCCAACAGCAGGGGTCCGGCGCCTCAGACTCTCTTC
CAAAGTCCAGTGCTTTGGAGAAGATGTGTGCATCAGCATCCCAGATGTGGATGCCTACATCATGGTCTTA
CAGGCCATTGAGCCCCAGATCACCCTCCAGGGAACAGAGCGTTTCTGGAGACCTGCTGCCCAGTTTGAAA
GTGCCAGAGGAGTGACTCTCTTCCCTGACATCAAGATTGTGAGCACCTTTGCCAAGACTGAGGCCTCCGG
GGACATGAGAGCCACAGGTACAGCCCCCAAATCAGCAGTCTTGGAAGAAATGCTACACAATTTGGATTTC
TGTGACATTTTGGTGCTTGGAGGGGACTTGGATCCAAGGCAAGAGTGCTTGGAGCTCAACCACAGTGAGC
TCCACCAACGACACCTTGATGCCACCAACTCAACTGCTGGCTACTCCATCTATGGTGTGGGCTCCATGAA
CCGCTATGAGCAGGTGCTGCATCACCTCCGTTACCGCAACTGGCACCCCACGTCCCTTGAGACCCGGAGG
TTCCGGATCAAGTGCTCAGAACTCAACGGGCGTTACACTAGCAATGAGTTCAACTTGGAGGTCAGTGTCC
TCCATGAAGTGAGAGTCTCTGACAAGGAACATGTCAACCACCTTATTGTGCAGCCACCCTTTCTCCAGTC
TGTCCATCACCCTGAGACCCGGAGTAGTATCCAGCGCAGTTCAGTGGTCCCGAGCATCGCCACTGTCGTC
ATCATTATCTCTGTGTGCATGCTAGTGTTTGTTGTGGCCATGGGTGTGTACCGAGTCCGAATTGCCCACC
AGCATTTTATCCAAGAGACTGAGGCTGCCAAGGAAGCTGAGATGGACTGGGATGACTCTGCACTGACTAT
CACTGTCAACCCTATGGAGAAACATGAAGGCCCAGGGAACGGGGAAGATGAAACCACCGAAGTAGAGGAA
GAGGAGGAAGCAGAGGAAGGCTCGAGCTCCAGCAGCAGTGGTTCCGATGACAGCGAAGAGGAAGAAGAGG
AAGGGATGGGCAGAGTCAGACATGGGCAGAGCGGCACCAGCTCTCAAAGCCCTGAAAGAAGTACCTGGAA
CACTGCAGGAGTCATAAACATTTGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Protein Sequence:

>MR211338 representing NM_022319
Red=Cloning site Green=Tags(s)

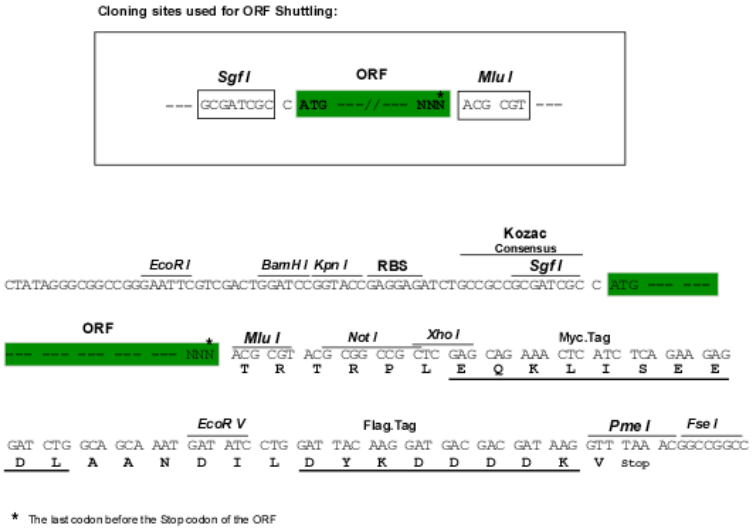
MLPGRLCLVPLLLALGVGSGGGSGDGGDSRRRRLLVAKVNKHKPWIETSYHGVITENNDTVILDPPLVAL
DKDAPVPFAGEICAFKIHGQELPFEAVVLNKTSGEGRLRAKSPIDCELQKEYTFIIQAYDCGAGPREAAW
KKSHKAVVHIQVKDVNEFAPTFKEPAYKAIVTEGKIYDSILQVEAIDEDCSPQYSQICNYEIVTTDVPFA
IDRNGNIRNTEKLSYDKQHQYEILVTAYDCGQKPAAQDTLVQVDVKPVCKPGWQDWTKRIEYQPGSGSMP
LFPSIHLETCDGAVSSLQVTAELQTNYIGKGCDRETYSEKSLQKLCGASSGIIDLLPSPSAATNWTAGLL
VDSSEMIFKFDGRQGAKIPDGIVPKNLTDQFTITMWMKHGPSPGVRAEKETILCNSDKTEMNRHHYALYV
HNCRLVFLLRKDFDQADTFRPAEFHWKLDQICDKEWHYYVINVEFPVVTLYMDGATYEPYLVTNDWPIHP
SHIAMQLTVGACWQGGEVAKPRFAQFFHGSLASLTIRPGKMESQKVISCLQACKEGLDINSLESLGRGIK
YHFNPSQSILVMEGDDIGNINRALQKVSYINSRQFPTAGVRRLRLSSKVQCFGEDVCISIPDVDAYIMVL
QAIEPQITLQGTERFWRPAAQFESARGVTLFPDIKIVSTFAKTEASGDMRATGTAPKSAVLEEMLHNLDF
CDILVLGGDLDPRQECLELNHSELHQRHLDATNSTAGYSIYGVGSMNRYEQVLHHLRYRNWHPTSLETRR
FRIKCSELNGRYTSNEFNLEVSVLHEVRVSDKEHVNHLIVQPPFLQSVHHPETRSSIQRSSVVPSIATVV
IIISVCMLVFVVAMGVYRVRIAHQHFIQETEAAKEAEMDWDDSALTITVNPMEKHEGPGNGEDETTEVEE
EEEAEEGSSSSSSGSDDSEEEEEEGMGRVRHGQSGTSSQSPERSTWNTAGVINIWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9012_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022319

ORF Size: 2898 bp

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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_022319.2, NP_071714.2

RefSeq Size: 4494 bp

RefSeq ORF: 2901 bp

Locus ID: 64085

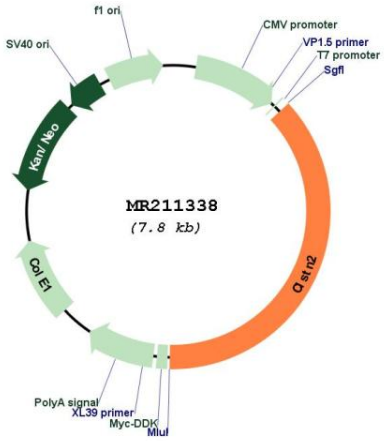
UniProt ID: Q9ER65

Cytogenetics: 9 E3.3

MW: 108.3 kDa

Gene Summary: May modulate calcium-mediated postsynaptic signals.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211338

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US