

Product datasheet for **MR211301**

Clstn3 (NM_153508) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clstn3 (NM_153508) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clstn3
Synonyms:	alc-beta; Cs3; Cst-3; CSTN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR211301 representing NM_153508
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCCTCTGTGCTGCTCCCTTTTGGCTGGCCTCTCTGCTTCAAATCAGCTCTGGCAACAAAGCCAACA
 AGCACAAGCCATGGATCGAGGCAGAGTACCAGGCATTGTCATGGAGAATGACAACACGGTCTGTGAA
 CCCACCACTCTTTGCCTTGGATAAAGATGCTCCACTGCGCTATGCAGGTGAGATCTGCGGCTTCCGGCTC
 CATGGATCTGGGTACCTTTCGAGGCTGTGATCCTGGACAAGGCAACGGGTGAAGGGCTGATCCGGGCTA
 AGGAGCCCGTGGACTGTGAGGCCAGAAGAACACTTTTACCATTAGGCTTATGACTGTGGCGAGGG
 ACCCGATGGACCAATACCAAGAAGTCTACAAGGCAACCGTGCATGTTCCGGTCAATGATGTGAATGAG
 TTTGCCCGGTCTTTGTGGAGCTGTACCGTGTGCAGTGACGGAGGGGAAGCTGTATGATCGGATCT
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 GCCAACACCCCTTTCTCATTGACAATGATGGCAACATTGAGAACACAGAGAAGCTACAGTACAGTGGC
 GAGAAACTCTACAAGTTCACAGTGACAGCGTATGACTGTGGGAAGAAGCGAGCGGAGATGATGCTGAGG
 TGGAGATTCAGGTGAAGCCACCTGCAAACCCAGCTGGCAAGGCTGGAACAAAAGGATTGAATATGCCCC
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 TCCTACCAGAACCAGCAGACCTGTGTGGCAGGGTGGCTGGTGGCCAGCAAGAGGAAGAGGACAGCAGTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211301 representing NM_153508
 Red=Cloning site Green=Tags(s)

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MTLLLVSLLLASLLQISSGNKANKHKPWIEAEYQGIWMENDNTVLLNPPLFALDKDAPLRYAGEICGFRL
HGSGVPEFAVILDKATGEGLIRAKEPVDCEAQKEHTFTIQAYDCGEGPDGNTKKSHKATVHVRVNDVNE
FAPVFVERLYRAAVTEGKLYDRILRVEAIDGDCSPOYSQICYEILTPNTPFLIDNDGNIENTEKLQYSG
EKLYKFTVTAYDCGKKRAADDAEVEIQVKPTCKPSWQGWNKRIEYAPGAGSLALFPGIRLETCDPELWNI
QATIELQTSHVAKGCDRDNYSERALRKLCGAATGEVDLLPMPGNANWTAGLSVHYSQDSSLIYWFNGTQ
AVQVPLGGPAGLGSQPQDGFSDHFTLSFWMKHSVTPSKGKKEEETIVCNTVQNEGDYSHYSLTVHGCRIA
FLYWPLLESARPVKFLWKLEQVCDDEWHHYALNLEFPTVTLTYDGISFDPALIHNDGLIHPPRREPALMI
GACWTEEKNEKKGGENSTDTASGDPLL IHHYFHGYLAGFSVRSGRLESREVIECLYACREGLDYRDFES
LGKGMKVHVNPSSQLL TLEGDDVETFNHALQHVAYMNTLRFATPGVRPLRLTTAVKCFSEESCVSIPVEVE
GYVVVLQPDAPQILLSGTAHFARPAVDFEGPEGVPLFPDLQITCSI SHQVEAKADESWQGTVTDTRMSDE
IVHNLGCEISLVGDDLPERESLLLDMASLQQRGLELTNTSAYLTIAGVETITVYEEILRQARYQLRHG
AALYARKFRLSCSEMNGRYSSENEFIVEVNVLHSMNRVAHPSHVLSQQQLHRGHQPPPEMAGHSLASSHR
NSMVPSAATLIIVVCVGLVLMVILGLVRIHSLHRRVSGTGGPSGASTDPKDPDLFWDDSSALTIIVNPME
SYQNQQT CVAGVAGGQQEEDSSDSEAADSPSSDERRIIESPPHRY
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9012_c11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



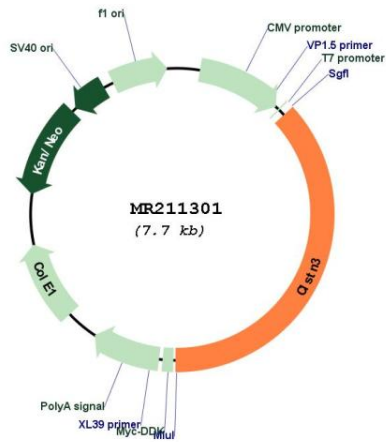
* The last codon before the Stop codon of the ORF

ACCN: NM_153508

ORF Size: 2868 bp

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:	<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:	NM_153508.4 , NP_705728.1
RefSeq Size:	4007 bp
RefSeq ORF:	2871 bp
Locus ID:	232370
UniProt ID:	Q99JH7
Cytogenetics:	6 F2
MW:	106.3 kDa
Gene Summary:	May modulate calcium-mediated postsynaptic signals. Complex formation with APBA2 and APP, stabilizes APP metabolism and enhances APBA2-mediated suppression of beta-APP40 secretion, due to the retardation of intracellular APP maturation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211301