

Product datasheet for **MC222854**

Clstn3 (NM_153508) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clstn3 (NM_153508) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC222854 representing NM_153508
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCTCTGTGGTGTCCCTTTTGGCTGGCCTCTCTGCTTCAAATCAGCTCTGGCAACAAAGCCAACA
 AGCACAAGCCATGGATCGAGGCAGAGTACCAGGCATTGTCATGGAGAATGACAACACGGTCTGTGAA
 CCCACCACTCTTTGCCTTGGATAAAGATGCTCCACTGCGCTATGCAGGTGAGATCTGCGGCTTCCGGCTC
 CATGGATCTGGGTACCTTTCGAGGCTGTGATCCTGGACAAGGCAACGGGTGAAGGGCTGATCCGGGCTA
 AGGAGCCCGTGGACTGTGAGGCCAGAAGAACACTTTTACCATTGAGGCTTATGACTGTGGCGAGGG
 ACCCGATGGACCAATACCAAGAAGTCTACAAGGCAACCGTGCATGTTGCGGTCAATGATGTGAATGAG
 TTTGCCCGGTCTTTGTGGAGCGTCTGTACCGTCTGCAGTGACGGAGGGGAAGCTGTATGATCGGATCT
 TACGTGTGGAAGCCATTGATGGCGACTGCTCCCGCAGTACAGCCAGATCTGCTACTATGAGATCCTTAC
 GCCAACACCCCTTTCCTCATTGACAATGATGGCAACATTGAGAACACAGAGAAGCTACAGTACAGTGGC
 GAGAAACTCTACAAGTTCACAGTGACAGCGTATGACTGTGGGAAGAAGCGAGCGGAGATGATGCTGAGG
 TGGAGATTCAGGTGAAGCCACCTGCAAACCCAGCTGGCAAGGCTGGAACAAAAGGATTGAATATGCCCC
 AGGAGCCGGGAGCTTGGCTTTGTTCCCTGGCATCCGTCTGGAGACCTGTGATGAGCCACTGTGGAACATT
 CAGGCCACCATAGAGCTGCAGACCAGCCATGTGGCCAAGGGCTGCGACCGAGACAATTCAGAGAGGG
 CTCTGCGGAAGCTCTGTGGTGTCTACTGGGGAGGTGGACCTGTTGCCATGCCCGGCCCAATGCCAA
 CTGGACAGCGGGCTGTGGTGCCTACAGCCAGGACAGCAGCCATCTACTGGTTCATGGCACACAA
 GCTGTGCAAGTTCCTCGGTGGTCCAGCAGGGCTGGGCTCTGGCCCGCAGGATGGCTTACGCGACCACT
 TTACCTGTCTCTGGATGAAGCATAGTGTGACTCCAGCAAGGGGAAGAAGGAGGAGGACCAATTGT
 GTGTAACACAGTCCAGAATGAGGACGGCTACTCTCACTACTCACTGACTGTCCATGGCTGCAGAATTGCC
 TTTCTCTACTGGCCGTTGCTTGAGAGTGTCTGCTCTCAAGTTCCTCTGGAAGCTGGAGCAGGTGTGTG
 ATGATGAATGGCATCACTACGCCCTGAACCTGGAGTTCCCACCGTCCACTGTATACTGACGGTATCTC
 CTTGACCCGGCTCTCATCCACGACAATGGTCTCATCCACCCACCCAGGAGGGAACCTGCACTCATGATT
 GGGGCTGCTGGACTGAAGAGAAGAACAAGAGAAGAAGGGGGGAGAGAACAGTACAGACACAGCCCTCAG
 GAGACCCCTTGTGATCCACCACTACTTTCATGGCTACCTAGCTGGTTTCAGCGTGCCTCAGGTCGCT
 GGAGAGCCGTGAGGTATCGAGTGCCTATGCATGTGCGGAGGGGCTGGACTATAGGGATTCGAGAGC
 CTGGGCAAGGCATGAAGTCCACGTGAACCCCTCGCAGTCCCTGCTCACCTGGAGGGGATGATGTGG
 AGACCTTCAACCATGCCCTGCAGCATGTGGCTTACATGAACACTCTGCGCTTTGCCACACCCGGCGTCAG
 GCCCTGCGCTCACACCGCTGTCAAGTGTCTTGTAGTGAAGAGTCTGTGTCTCCATCCCTGAAGTGGAG
 GGCTATGTGGTGGTTCTCAGCCGACGCCCCCAGATCCTTCTGAGTGGCACAGCTCATTTTGCCCGCC
 CAGCTGTGGACTTTGAGGGACCCGAGGGAGTCCCTTGTTCGCCGATCTTCAGATCACCTGCTCCATTTT
 TCACCAGGTGGAGGCCAAAGCAGATGAGAGTTGGCAGGGCACAGTGACAGACACACGCATGTGATGAG
 ATTGTACACAACCTGGACGGCTGTGAGATTTCTCTGGTGGGGATGACCTAGACCCTGAACGAGAGAGCC
 TGCTCTTGGACATGGCTTCCCTGCAGCAGCGAGGCTGGAACCTACCAACACATCTGCCTACCTCACCAT
 TGCTGGGGTGGAGACCATCACTGTGTATGAAGAGATCCTGAGGCAGGCTGTTATCAGCTTCGGCATGGA
 GCTGCCCTTTATGCCAGGAAATTCGGCTTTCTTCTCGGAGATGAACGGCCGATCTCCAGCAACGAAT
 TCATTGTGGAGGTCAACGCTCTGCATAGCATGAACCGGTGGCCATCCCAGTATGTGCTCAGTTCACA
 GCAGTTCCTGCACCGGGTCAACAGCCTCCTCCTGAGATGGCTGGACACAGCCTGGCCAGCTCCCACCGG
 AACTCCATGGTCCCAGTGTGCGACTCTCATATTGTGGTATGCGTGGGCTTTCTGGTCTTATGGTTA
 TCCTCGGCTCGTTGGATCCACTCCCTTTCATCGCCGCTCTCAGGAACTGGCGGACCTTACGGGCTTC
 CACTGACCCGAAGGACCTGACCTTCTGGGATGACTCTGCTCTCACCATTATTGTCAATCCTATGGAG
 TCCTACCAGAACCAGCAGACCTGTGTGGCAGGGTGGCTGGTGGCCAGCAAGAGGAAGAGGACAGCAGTG
 ACTCGGAAGCAGCCGACTCCCCAGCAGTATGAGAGACGCATCATTGAGAGCCCCCACACCGCTATTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_153508
Insert Size:	2871 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_153508.4</u> , <u>NP_705728.1</u>
RefSeq Size:	4007 bp
RefSeq ORF:	2871 bp
Locus ID:	232370
UniProt ID:	<u>Q99JH7</u>
Cytogenetics:	6 F2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>