

Product datasheet for **SC310030**

CLSTN3 (NM_014718) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLSTN3 (NM_014718) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLSTN3
Synonyms:	alcbeta; CDHR14; CSTN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310030 representing NM_014718.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGACCCTCCTGCTGCTGCCCTTCTGCTGGCCTCTCTGCTCGCTCCTGCTCCTGTAACAAAGCCAAC
AAGCACAAGCCATGGATTGAGGCAGAGTACCAGGCATCGTCATGGAGAATGACAACACGGTCCTACTG
AATCCACCACTCTTTGCCCTTGGACAAGGATGCCCGCTGCGCTATGCAGGTGAGATCTGCGGCTCCGG
CTCCATGGGTCTGGGGTGCCTTTGAGGCTGTGATCCTTGACAAGGCGACAGGAGAGGGGCTGATCCGG
GCCAAGGAGCCTGTGGACTGCGAGGCCCAGAAGGAACACACCTTCACCATCCAGGCCTATGACTGTGGC
GAGGGCCCCGACGGGGCCAACACCAAGAAGTCCCACAAGGCCACTGTGCATGTGCGGGTCAACGATGTG
AACGAGTTTCCCCAGTGTGTGGAACGGCTGTATCGTGGCTGTGACAGAGGGGAAGCTGTACGAT
CGCATCCTGCGGGTGAAGCCATTGACGGTGACTGCTCCCCCAGTACAGCCAGATCTGCTACTATGAG
ATTCTCACACCAACACCCCTTTCTCATTGACAATGACGGGAACATTGAGAACACAGAGAAGCTGCAG
TACAGTGGTGAGAGGCTCTATAAGTTTACAGTGACAGCTTATGACTGTGGGAAGAAGCGGGCAGCAGAT
GATGCTGAGGTGGAGATTGAGGTGAAGCCACCTGTAAACCCAGCTGGCAAGGCTGGAACAAAAGGATC
GAATATGCACCAGGTGCTGGGAGCTTGGCTTTGTTCCCTGGTATCCGCCTGGAGACCTGTGATGAACCA
CTCTGGAACATTAGGCCACCATAGAGCTGCAGACCAGCCATGTGGCCAAGGGCTGTGACCGTGACAAC
TACTCAGAGCGGGCGCTGCGGAACTCTGTGGTGTGCCACTGGGGAGGTGGATCTGTTGCCCATGCCT
GGCCCCAATGCCAAGTGACAGCAGGACTCTCGGTGCACTACAGCCAGGACAGCAGCCTGATCTACTGG
TTCAATGGCACCAGGCTGTGCAAGTGCCCTGGGTGGCCCCAGTGGGCTGGGCTCTGGGCCCCAGGAC
AGCCTCAGTGACCACTTCACCTGTCTTCTGGATGAAGCATGGCGTAACCTCCCAACAAGGGCAAGAAG
GAAGAGGAAACCATCGTATGTAACTGTCCAGAATGAGGACGGCTTCTCTCACTACTCGCTGACTGTC
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AAGCTGGAGCAGGTCTGTGATGATGAGTGGCACCCTACGCTCTGAACCTCGAGTTCCCCACAGTCACA
CTCTATACCGACGGCATCTCCTTCGACCCTGCCCTCATCCATGACAATGGCCTCATCCACCCACCCCGA
AGGGAGCTGCTCTCATGATTGGGGCTGCTGGACTGAGGAGAAGAAAGAGAAGGAAAGGGAGAC
AACAGTACAGACACACGCATGTCGGATGAGATTGTGACAACCTGGATGGCTGTGAAATTTCTCTGGTG
GGGGATGACCTGGATCCCGAGCGGGAAAGCCTGCTCCTGGACACAACCTCTCTGCAGCAGCGGGGCTG
GAGCTCACCAACACATCTGCCTACCTCACTATTGCTGGGTGGAGAGCATCACTGTGTATGAAGAGATC
CTGAGGCAGGCTCGTTATCGGCTGCGACACGGAGCTGCCCTCTACACCAGGAAGTTCCGGCTTTCCTGC
TCGGAAATGAATGGCCGTTACTCCAGCAATGAATTCATCGTGGAGGTCAATGTCTGCACAGCATGAAC
CGGGTTGCCCACCCAGCCAGTGTCTGAGTCCCAGCAGTTCTGCAACGTGGTACCAGCCCCCGCT
GAGATGGCTGGACACAGCCTAGCCAGCTCCACAGAACTCCATGATACCCAGCGCCGAACCCCTCATC
ATTGTGGTGTGCGTGGGCTTCTGGTGCTCATGGTCTGCTGGGCTGGTGGCATCCATTCCCTTAC
CGCCGCTCTCAGGGGCCGGCGGCTCCAGGGCCTCCAGTGACCCCAAGGACCCAGACCTCTTCTGG
GATGACTCAGCTCTACCATCATTGTGAACCCATGGAGTCTACCAGAATCGGCAGTCTGTGTGACG
GGGGCTGTTGGGGCCAGCAGGAGGATGAGGACAGCAGTACTCGGAGGTGGCCGATTCCCCCAGCAGC
GACGAGAGACGCATCATCGAGACCCCCACACCGCTACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

ACCN:	NM_014718
Insert Size:	2871 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_014718.3
RefSeq Size:	4029 bp
RefSeq ORF:	2871 bp
Locus ID:	9746
UniProt ID:	Q9BQT9
Cytogenetics:	12p13.31
Domains:	CA
Protein Families:	Transmembrane
MW:	106.1 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]