

Product datasheet for **MC203928**

Ncstn (NM_021607) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncstn (NM_021607) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ncstn
Synonyms:	9430068N19Rik; AA727311; Aph2; D1Dau13e; Kiaa0253; mKIAA0253; Nct
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC019998
 CCGAGAGGCAAGATGGCTACGACTAGGGGCGGCTCTGGGCCTGACCCAGGAAGTCGGGGTCTTCTTCTTC
 TGTCTTTTTCCGTGGTACTGGCAGGATTGTGTGGGGGAAACTCAGTGGAGAGGAAAATCTACATTCCTT
 AAATAAACAGCTCCTTGTGTCCGCCTGCTCAACGCCACTCATCAGATTGGCTGCCAGTCTTCAATTAGT
 GGGGATACAGGGGTTATCCACGTAGTGGAGAAAAGAAGACCTGAAGTGGGTGTGACCGATGGCCCA
 ACCCCCTTACATGGTTCTGTGGAGGGCAAGCTCTTACCAGAGATGTAATGGAGAAGCTGAAGGGAA
 ACCAGTAGAATCGCTGGTCTTCCCGTACTAGCCAAGCCCACTCAACTTCAAGCTTCTCTCTAGT
 GTGCAGTGCCCAATGATGGGTTTGGTATTTACTCCAACCTACGGGCCAGAGTTTGTCTACTGCAAGA
 AACACTGTGGAATGAACTGGGCAACGGCTTGGCTTATGAAGACTTTAGTTTCCCATCTTCTTCTTGA
 AGATGAGAACGAAACCAAGGTCATCAAGCAGTGTATCAAGATCACAACTGGGTGAGAATGGCTGTGCA
 CCAAGCTTCCATTGTGTGCTATGCAGCTTCTCACACATGCACGCCGTATCAGCACTGCCACCTGCA
 TGCGGCGCAGCTTATCCAGAGCACCTTACAGTCAACCCAGAAATCGTCTGTGACCCCTTATCTGACTA
 CAACGTATGGAGCATGCTTAAGCCTATAAATACATCTGTGGGACTAGAACCTGACGTGAGGGTTGTGGTT
 GCGGCCACACGGCTGGATAGCCGGTCTTTTTCTGGAATGTGGCCCAAGGGGCTGAAAGTGTGTAGCCT
 CCTTTGTCACTCAGCTGGCTGCAGCTGAAGCTTGCACAAGGCACCTGATGTGACCACTTATCCCGAAA
 TGTGATGTTTGTCTTCTCCAGGGGAAACTTTGACTACATTGGCAGCTCACGGATGGTCTATGATATG
 GAGAACGGCAAGTTTCCCGTGGGCTCGAGAACATCGACTCCTTCGTGGAGCTGGGACAGGTGGCCCTAA
 GAACCTTACTAGATCTCTGGATGCACACAGATCCCATGTCTCAGAAAAATGAGTCTGTGAAAAACAGGT
 GGAGGATCTTCTGGCCACTCTGGAGAAGAGCGGTGCTGGTGTCCCTGAAGTTGTCCTGAGGAGACTGGCC
 CAGTCCCAGGCCCTTCCACCTTCTCTACAACGATTTCTTCGGGCTCGAAACATCTCTGGCGTGGTCC
 TGGCTGACCACTCTGGCTCCTTCCACAATCGGTATTACCAGAGCATTTATGACACGGCTGAGAACATTA
 TGTGACCTATCCTGAGTGGCAGAGCCCAGAAGAGGACCTCAACTTTGTGACAGACTGCCAAGGCACTG
 GCGAATGTGGCCACAGTGTGGCGGTGACTGTATGAGCTTGCAGGAGGAACCAACTTACAGCAGTCCA
 TCCAGGCTGATCCCAGACAGTTACACGTCTGCTCTATGGGTTCCCTGGTTAAAGCTAAACAACATCATGGTT
 TCAGTCGATCCTGAAACATGACCTAAGGTCTATTTGGATGACAGGCCTTCAACACTACATCGCCGTC
 TCCAGCCCTACCAACACGACTTACGTTGTGACGTACGCCTTGGCAAACCTGACTGGCAAGGCGACCAACC
 TCACCCGAGAGCAGTGCCAGGATCCAAGTAAAGTCCCAATGAGAGCAAGGATTTATATGAATACTCGTG
 GGTACAAGGCCCTTGAATTCCAACAGGACAGAGAGGCTCCACAGTGTGTGCGCTCCACAGTGGGACTG
 GCCAGGCCCTTGTCCCTGCCTTTGAAGTGTGAGTGGAGCTCCACAGAATACTCTACGTGGGCGGAGA
 GCCGCTGAAAAGACATCCAAGCTCGGATATTCCTAATTGCCAGCAAAGAGCTTGAGTTCATCAGCTGAT
 CGTGGGCTTACAGATCCTTATCTTCTCTCATCGTACCTACTGCATCAATGCCAAAGCCGACGTCTT
 TTTGTTGCTCCCGAGAGCCAGGAGCTGTGTCTTACTGAAGAGGACTCTAGCTCTGCCTGCCTGCTCTGA
 ACTTTACTTCCCAGACCAGGTGTCCGGCTGGGAACAAACCACTAATTTGTCACTGGACTGTCTCTGGGCC
 TGCTTAGACGGGGATTGACACACAGAAATGGAAGTGTGAGTGGAGAGATGAATAAGTTGCCCCCCAGCCC
 CCCTTTCCATTGTTTCTCTTCTCTAATCCCAGGGACTATGGTAGAGACTTGTGCTCTCTAACTCCCC
 AGTTACCCACCCTCCTCTGCCCTTCTCGGGATACCTTCTGTCTTCCATCTGCCCTGTACTGCCCTCT
 GACTCCACTGTCAACCCGACCCCTCCCCATATTCAGCCACCTGCTGCACCAGGAAGAGGGTGTGAAAG
 ATGTGCATCTGCATTCAACTACCCTGAACCCTTAGGGAAGAAATGGATTCCCTGGCTGAGCCAGTGTCT
 CTTTCCCACTGTCTTTCTCCAGGTGTGCAGATGGCATGTTAGTGTGGGCACGCTGTTAAGTGGGTATCC
 CACCTCCAGCCCACAGTGTGACTTTTTATTATTAACATAAATTATCTAAAAAAAAAAAAAAAAA A

Restriction Sites: RsrII-NotI

ACCN: NM_021607

Insert Size: 2127 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>BC019998</u> , <u>AAH19998</u>
RefSeq Size:	2731 bp
RefSeq ORF:	2127 bp
Locus ID:	59287
UniProt ID:	<u>P57716</u>
Cytogenetics:	1 79.54 cM
Gene Summary:	Essential subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid-beta precursor protein). The gamma-secretase complex plays a role in Notch and Wnt signaling cascades and regulation of downstream processes via its role in processing key regulatory proteins, and by regulating cytosolic CTNNB1 levels.[UniProtKB/Swiss-Prot Function]