

Product datasheet for **RC216827**

Neuroglycan C (CSPG5) (NM_006574) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroglycan C (CSPG5) (NM_006574) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Neuroglycan C
Synonyms:	NGC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC216827 representing NM_006574
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCAGCCGGGGCGGGGCCCGGGCCGGGGCCCGCCGACTGCTGCTGTTTCTGGGGCCCGCC
 TGGTCTTGGCCTCTGGGGCCGTGCCGGCCGTGAGGCGGGCAGCCGCGTTGAGGCCGAAGAGCTGGTGAA
 GGGCAGCCCGCCGTGGGAGCCGCTGCCAACGACACGCGGGAAGAAGCCGGCCACCAGCGGCTGGGAA
 GATGAGGCGTCGTGGACGGCGCCCGGTGGCGAGCTGGCCGGGCCAGAAGAGGTGCTGCAGGAGTCGGCTG
 CGGTGACCGCCACCGCTGGCTGGAAGCTGACAGCCAGGCTGGGAGGAGTGACCGCAGAGGGCGGCAG
 CGGCGATGCCAGGCCCTCCAGCTACGCTCCAGGCTCCACAGAGTCTCGGGCAGTCAATCATGCCC
 CCTGCCATTCTGAGGCTACAGAGGCCAGCGGGCCACCCTCCCCACCCCGGCGACAAGCTGAGCCAG
 CTTCTGAACTCCCAAGGAGAGCCCTTGGAGTTTGGCTGAACCTGGGGGCGAGCACACCCGACCTCA
 AGTGCCAGAGCTGACTTACCCATTTAGGGCACCTGGAGCCCAACCGGCATCAGATATCATTGACATC
 GACTACTTCGAAGGACTGGATGGTGAGGGTCGTGGCGCAGATCTGGGGAGCTTCCAGGGTACCCAGGAA
 CCTCAGAGAACCACCTGATACTGAGGGAGAGACCCCTTCTGGAGCCTGCTTACTTATACGATGATT
 CACCCCTTCGATGAATCTGATTTTACCCACCACATCCTTTTATGATGACTTGGATGAAGAGGAGGAG
 GAAGAGGAGGATGACAAAGATGCAGTAGGAGGTGGAGACCTAGAAGATGAAAATGAGCTTCTAGTCCCA
 CTGGGAAGCCTGGTCTGGGGCCCGGGACAGGCCAGCCACCAGTCGGTGGCATGCTGTCCCTCCACAGCA
 CACTCTGGGGTCGGTCCCGGCAGCAGCATCGCCCTCAGGCCCGCCAGGAGAGCCAGGCAGGGACTTG
 GCCTCCAGTAAAATGGCACTGAGTCCCGCAGTGGCTTTGTGCGGCATAACGGCTCCTGCCGTCAGTGT
 GCGACCTTCCCAAGTTACTGTCACAATGGCGGCCAGTGTACTGTTGAGAGAACATAGGGGCTTCTG
 CAGGTGCAACACGACGAGGACTACATCTGGCACAAGGGGATGCGCTGCGAGTCCATCATCACCGACTTCCAG
 GTGATGTGCGTGGCCGTGGGCTCGGCTGCCCTCGTCTGCTCCTGCTTTCATGATGACGGTGTCTTTG
 CCAAGAAGCTCTACTGCTCAAGACGGAGAATACCAAGCTGCGTAGGACCAACAAATTCGGACCCCATC
 TGAGCTCCACAATGATAACTTCTCCCTCTCCACCATTGCCGAGGGCTCTCACCAATGATGATCTAGT
 GCTCCCCACAAAATCCAGGAGTTCTCAAGTCTGCTGAAAGAGGAGGAGTCATTTAACATCCAGAAT
 CCATGTCGCCAAACTTGAGGGTGGCAAAGGTGACCAGGCTGACTTGGATGTGAAGTGTCTTCAATAA
 TTTAACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216827 representing NM_006574
 Red=Cloning site Green=Tags(s)

MGRAGGGGPRGPPPLLLFLGAALVLAGAVPAREAGSAVEAEELVKGSPAWEPPANDTREEAGPPAAGE
 DEASWTAPGGELAGPEEVLQESA AVTGTAWLEADSPGLGGVTAEAGSGDAQALPATLQAPHEVLGQSIMP
 PAIPEATEASGPPSPTPGDKLSPASELPKESPLEVWLNLGSTPDPQVPELTPYFQGTLEPQPASDIIDI
 DYFEGLDGEGRGADLGSFPGSPGTSENHDPTEGETPSWSLLDLYDDFTPFDESDFYPTTSFYDDLDEEEE
 EEEDDKDAVGGGLEDENELLVPTGKPLGPGTGQPTSRWHAVPPQHTLGSVPGSSIALRPRGEPGRDL
 ASSENGTECRSGFVRHNGSCRSVCDLFPSYCHNGGQCYLVENIGAFRCRCNTQDYIWHKGMRCESIIITDFQ
 VMCVAVGSAALVLLLLFMMTVFFAKKL YLLKTENTKLRRTNKFRTPSELHNDNFSLSTIAEGSHPNDDPS
 APHKIQEVLSKLEEFNIQNSMSPKLEGGKGDQADLDVNCLQNNLT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg4394_c02.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006574

ORF Size: 1617 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:**
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_006574.2](#), [NP_006565.1](#)

RefSeq Size: 2005 bp

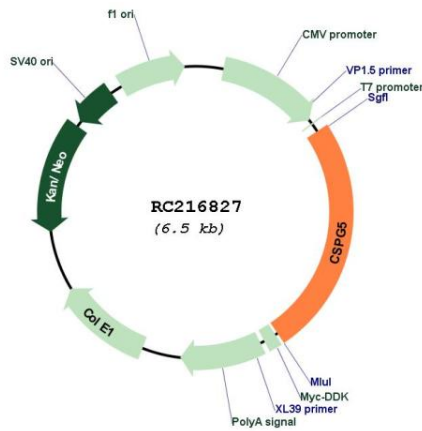
RefSeq ORF: 1620 bp

Locus ID: 10675

UniProt ID: [O95196](#)

Cytogenetics:	3p21.31
Protein Families:	ES Cell Differentiation/IPS, Transmembrane
MW:	57.02 kDa
Gene Summary:	The protein encoded by this gene is a proteoglycan that may function as a neural growth and differentiation factor. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]

Product images:



Circular map for RC216827