

Product datasheet for **RC234068**

Neuroglycan C (CSPG5) (NM_001206945) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroglycan C (CSPG5) (NM_001206945) 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)



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ORF Nucleotide Sequence:

>RC234068 representing NM_001206945
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCCCCTGCCATTCTGAGGCTACAGAGGCCAGCGGGCCACCCTCCCCACCCCGCGGACAAGCTGA
 GCCCAGCTTCTGAACTCCCAAGGAGAGCCCTTGGAGGTTTGGCTGAACCTGGGGGGCAGCACACCCGA
 CCCTCAAGGGCCAGAGCTGACTTACCCATTTTCAGGGCACCTGGAGCCCCAACCGGCATCAGATATCATT
 GACATCGACTACTTGAAGGACTGGATGGTGGGGTCTGGCGCAGATCTGGGGAGCTTCCAGGGTAC
 CAGGAACCTCAGAGAACCACCTGATACTGAGGGAGAGACCCCTTCTGGAGCCTGCTTACTTATACGA
 TGATTTACCCCCCTTCTGATGAATCTGATTTCTACCCACCACATCCTTTTATGATGACTTGGATGAAGAG
 GAGGAGGAAGAGGAGGATGACAAAGATGCAGTAGGAGGTGGAGACCTAGAAGATGAAAATGAGCTTCTAG
 TGCCCACTGGGAAGCCTGGTCTGGGGCCGGGACAGGCCAGCCACCAGTCGGTGGCATGCTGTCCCTCC
 ACAGCACACTCTGGGGTGGTCCCGGCAGCAGCATCGCCCTCAGCCCCGCCAGGAGAGCCAGGCAGG
 GACTTGGCCTCCAGTGAAAATGGCACTGAGTGCCGCACTGGCTTTGTGCGGCATAACGGCTCCTGCCGGT
 CAGTGTGCGACCTCTTCCCAAGTTACTGTCAATGGCGGCCAGTGTACCTGGTGGAGAACATAGGGGC
 CTTCTGCAAGTGAACACGCAGGACTACATCTGGCACAAGGGGATGCGCTGCGAGTCCATCATCACCGAC
 TTCCAGGTGATGTGCGTGGCCGTGGGCTCGGCTGCCCTCGTCTGCTCTTATGATGACGGTGT
 TCTTTGCCAAGAAGCTCTACCTGCTCAAGCAGGAGAATACCAAGTGCCTAGGACCAACAAATCCGGAC
 CCCATCTGAGCTCCACAATGATAACTTCTCCCTCTCCACCATTGCCGAGGGCTCTACCCAAATGTAAGG
 AAATTTGCAACTCCCCGTACCTCCTCCCCCATGCCCGTGCCTTGGCTCACTATGATAACGTTATCT
 GTCAGGATGATCCTAGTCTCCCAAAAATCCAGGAGGTTCTCAAGTCTGCCTGAAAGAGGAGGAGTC
 ATTTAACATCCAGAACTCCATGTCGCCCAAACCTGAGGGTGGCAAAGGTGACCAGGCTGACTTGGATGTG
 AACTGTCTTCAGAATAATTTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234068 representing NM_001206945
 Red=Cloning site Green=Tags(s)

MPPAIPATEASGPPSPTPGDKLSPASELPKESPLEVWLNLLGGSTPDPQGPPELTYPFQGTLEPQPASDII
 DIDYFEGLDGEGRGADLGSFPGSPGTSENHPDTEGETPSWSLLDLYDDFTPFDSDFYPTTSFYDDLDEE
 EEEEEDDKDAVGGGDLEENELLVPTGKPGLGPGTGQPTSRWHAVPPQHTLGSVPGSSIALRPRGEPGR
 DLASSENGTECRSGFVRHNGSCRSVCDLFPYCHNGGQCYLVENIGAFRCRCNTQDYIWHKGMRCESIITD
 FQVMCVAVGSAALVLLLLFMMTVFFAKKLYLLKTENTKLRRTNKFRTPELHNDNFSLSTIAEGSHPNVR
 KLCNTPRTSSPHARALAHYDNVICQDDPSAPHKIQEVLKSKLKEEESFNIQNSMSPKLEGKGDQADLDV
 NCLQNNLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001206945

ORF Size: 1284 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_001206945.1](#), [NP_001193874.1](#)

RefSeq Size: 2334 bp

RefSeq ORF: 1287 bp

Locus ID: 10675

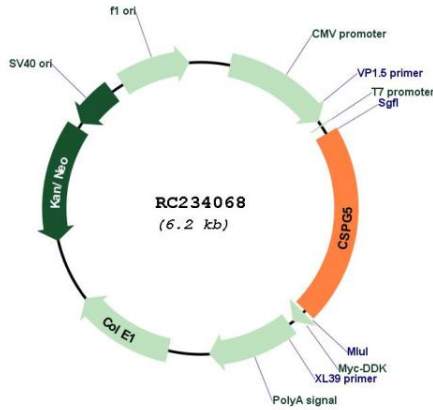
Cytogenetics: 3p21.31

Protein Families: ES Cell Differentiation/IPS, Transmembrane

MW: 47.1 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 RC234068