

Product datasheet for **RG234215**

Neuroglycan C (CSPG5) (NM_001206944) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Neuroglycan C (CSPG5) (NM_001206944) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Neuroglycan C |
| Synonyms: | NGC |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RG234215 representing NM_001206944
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCAGCCGGGGCGGGGCCCGGGCCGGGGCCCGCCGACTGCTGCTGTTTCTGGGGCCGCGC
 TGGTCCTGGCCTCTGGGGCCGTGCCGGCCGCTGAGGCGGGCAGCGCGTTGAGGCCGAAGAGCTGGTGAA
 GGGCAGCCCGGCGTGGGAGCCGCTGCCAACGACACGCGGGAAGAAGCCGGCCACCAGCGGCTGGGAA
 GATGAGGCGTCGTGGACGGCGCCGCTGGCGAGCTGGCCGGGCCAGAAGAGGTGCTGCAGGAGTCGGCTG
 CGGTGACCGGCACCGCTGGCTGGAAGCTGACAGCCCAGGCTGGGAGGAGTGACCGCAGAGGGCGGCGAG
 CGGCGATGCCAGGCCCTCCAGCTACGCTCCAGGCTCCACAGAGTCCCGGCGAGTCAATCATGCCC
 CCTGCCATTCTGAGGCTACAGAGGCCAGCGGGCCACCCTCCCCACCCCGGCGACAAGCTGAGCCCAG
 CTTCTGAACTCCCAAGGAGAGCCCTTGGAGTTTGGCTGAACCTGGGGGCAGCACACCCGACCTCA
 AGGGCCAGAGCTGACTTACCCATTTAGGGCACCTGGAGCCCCAACCGCATCAGATATCATTGACATC
 GACTACTTCGAAGGACTGGATGGTGAGGGTCGTGGCGCAGATCTGGGGAGCTTCCAGGGTACCCAGGAA
 CCTCAGAGAACCACCCTGATACTGAGGGAGAGACCCCTTCTGGAGCCTGCTTACTTATACGATGATT
 CACCCCTTCGATGAATCTGATTCTACCCACCACATCCTTTTATGATGACTTGGATGAAGAGGAGGAG
 GAAGAGGAGGATGACAAAGATGCAGTAGGAGGTGGAGACCTAGAAGATGAAAATGAGCTTCTAGTCCCA
 CTGGGAAGCCTGGTCTGGGGCCCGGACAGGCCAGCCACCAGTCGGTGGCATGCTGTCCCTCCACAGCA
 CACTCTGGGGTCGGTCCCGGCAGCAGCATCGCCCTCAGGCCCGCCAGGAGAGCCAGGCGGGACTTG
 GCCTCCAGTAAAATGGCACTGAGTGCCGAGTGGCTTTGTGCGGCATAACGGCTCCTGCCGTCAGTGT
 GCGACCTTCCCAAGTTACTGTCACAATGGCGGCCAGTGTACTGTTGGAGAACATGGGGCTTCTG
 CAGGTGCAACACGAGGACTACATCTGGCACAAGGGGATGCGCTGCGAGTCCATCATACCGACTTCCAG
 GTGATGTGCGTGGCCGTGGGCTCGGCTGCCCTCGTCTGCTCCTGCTTTCATGATGACGGTGTCTTTG
 CCAAGAAGCTCTACCTGCTCAAGACGGAGAATACCAAGCTGCGTAGGACCAAGATGATCCTAGTGTCCC
 CAAAAATCCAGGAGTTCTCAAGTCTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234215 representing NM_001206944
 Red=Cloning site Green=Tags(s)

MGRAGGGGPRGPPPLLLFLGAALVLASGAVPAREAGSAVEAEELVKGSPAWEPPANDTREEAGPPAAGE
 DEASWTAPGGELAGPEEVLQESA AVTGTAWLEADSPGLGGVTAEGSGDAQALPATLQAPHEVLGQSIMP
 PAIPEATEASGPPSPTPGDKLSPASELPKESPLEVWLNLGGSTPDPQGPETYFPQGTLEPQPASDIIDI
 DYFEGLDGEGRGADLGSFPGSPGTSENHPDTEGETPSWSLLDL YDDFTPFDESDFYPTTSFYDDLDEEEE
 EEEDDKDAVGGGDLEENELLVPTGKPLGPGTGQPTSRWHAVPPQHTLGSVPGSSIALRPRPGEPRDL
 ASSENGTECRSGFVRHNGSCRSVCDLFPSYCHNGQCYLVENIGAFRCRNTQDYIWHKGMRCESIITDFQ
 VMCVAVGSAALVLLLLFMMTVFFAKKLYLLKTENTKLRRTKMILVLPTKSRRFSSPA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001206944

ORF Size: 1431 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_001206944.1](#), [NP_001193873.1](#)

RefSeq Size: 2099 bp

RefSeq ORF: 1434 bp

Locus ID: 10675

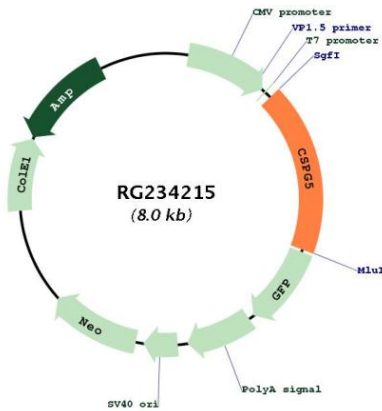
UniProt ID: [O95196](#)

Cytogenetics: 3p21.31

Protein Families: ES Cell Differentiation/IPS, Transmembrane

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 RG234215