

Product datasheet for **SC331714**

Neuroglycan C (CSPG5) (NM_001206942) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroglycan C (CSPG5) (NM_001206942) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neuroglycan C
Synonyms:	NGC
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331714 representing NM_001206942. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCCCCTGCCATTCTGAGGCTACAGAGGCCAGCGGGCCACCCTCCCCACCCCGGCGACAAGCTG
AGCCCAGCTTCTGAACCTCCCAAGGAGAGCCCCTTGGAGGTTTGGCTGAACCTGGGGGGCAGCACACCC
GACCTCAAGGGCCAGAGCTGACTTACCCATTTAGGGCCACCCTGGAGCCCCAACCGGCATCAGATATC
ATTGACATCGACTACTTGAAGGACTGGATGGTGAGGGTCGTGGCGCAGATCTGGGGAGCTTCCCAGGG
TCACCAGGAACCTCAGAGAACCACCCTGATACTGAGGGAGAGACCCTTCTGGAGCCTGCTTGACTTA
TACGATGATTTACCCCCCTTCGATGAATCTGATTTCTACCCACCACATCCTTTTATGATGACTTGGAT
GAAGAGGAGGAGGAAGAGGAGGATGACAAAGATGCAAGTAGGAGGTGGAGACCTAGAAGATGAAAATGAG
CTTCTAGTGCCCACTGGGAAGCCTGGTCTGGGGCCCCGGGACAGGCCAGCCACCAGTCGGTGGCATGCT
GTCCCTCCACAGCACACTCTGGGGTGGTCCCCGGCAGCAGCATCGCCCTCAGGCCCCGCCAGGAGAG
CCAGGCAGGGACTTGGCTCCAGTGAAAATGGCACTGAGTGCCGCACTGGCTTTGTGCGGCATAACGGC
TCCTGCCGGTCAGTGTGCGACCTTCCCAAGTTACTGTCACAATGGCGGCCAGTGTACCTGGTGGAG
AACATAGGGGCCCTTGCAGGTGCAACACGCAGGACTACATCTGGCACAAGGGGATGCGTGCAGTCC
ATCATCACCGACTCCAGGTGATGTGCGTGGCCGTGGCTCGGCTGCCCTCGTCTGCTCCTGCTCTTC
ATGATGACGGTGTCTTTGCCAAGAAGCTCTACCTGCTCAAGACGGAGAATACCAAGCTGGGTAGGACC
AACAAATTCGGACCCCATCTGAGCTCCACAATGATAACTTCTCCCTCTCCACCATTGCCGAGGGCTCT
CACCCAAATGATGATCCTAGTGCTCCCCACAAAATCCAGGAGTTCTCAAGTCTGCCTGAAAGAGGAG
GAGTCATTTAACATCCAGAACTCCATGTCGCCCAAACCTGAGGGTGGCAAAGGTGACCAGGCTGACTTG
GATGTGAAGTGTCTTCAGAATAATTTAACCTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001206942
Insert Size:	1206 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).



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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>NM_001206942.1</u>
RefSeq Size:	2253 bp
RefSeq ORF:	1206 bp
Locus ID:	10675
Cytogenetics:	3p21.31
Protein Families:	ES Cell Differentiation/IPS, Transmembrane
MW:	43.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence and lacks an alternate in-frame segment compared to variant 3. The resulting isoform (2) is shorter at the N-terminus and lacks an internal segment compared to isoform 3.</p>