

Product datasheet for SC331716

Neuroglycan C (CSPG5) (NM_001206944) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Neuroglycan C (CSPG5) (NM_001206944) Human Untagged Clone
Tag: Tag Free
Symbol: Neuroglycan C
Synonyms: NGC
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331716 representing NM_001206944.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGCGAGCCGGGGCGGGGGCCGGGCCGGGGCCGCCGCGCCACTGCTGCTGTTTCTGGGGGCCGGC
CTGGTCTTGGCTCTGGGGCCGTGCCGGCGCGTGAGGCGGGCAGCGCGTTGAGGCCGAAGAGCTGGTG
AAGGGCAGCCCGGCGTGGGAGCCGCTGCCAACGACACGCGGGAAGAAGCCGGCCACCAGCGGCTGGG
GAAGATGAGGCGTCGTGGACGGCGCCCGTGGCGAGCTGGCCGGGCCAGAAGAGGTGCTGCAGGAGTCG
GCTGCGGTGACCGGCACCGCCTGGCTGGAAGCTGACAGCCAGGCTGGGAGGAGTGACCGCAGAGGCG
GGCAGCGCGGATGCCAGGCCCTCCAGCTACGCTCCAGGCTCCACAGGTCCTCGGGCAGTCAATC
ATGCCCCCTGCCATTCTGAGGCTACAGAGGCCAGCGGGCCACCTCCCCACCCCGGGCACAAGCTG
AGCCCAGCTTCTGAACTCCCAAGGAGAGCCCTTGGAGGTTTGGCTGAACCTGGGGGGCAGCACACC
GACCTCAAGGGCCAGAGCTGACTTACCATTTAGGGCACCTGGAGCCCAACCGGCATCAGATATC
ATTGACATCGACTACTTCGAAGGACTGGATGGTGAGGGTCGTGGCGCAGATCTGGGGAGCTTCCCAGGG
TCACCAGGAACCTCAGAGAACCACCTGATACTGAGGGAGAGACCCCTTCTGGAGCCTGCTTGACTTA
TACGATGATTTACCCCCCTTCGATGAATCTGATTTCTACCCACCACATCCTTTTATGATGACTTGGAT
GAAGAGGAGGAGGAAGAGGAGGATGACAAAGATGCAGTAGGAGGTGGAGACCTAGAAGATGAAAATGAG
CTTCTAGTGCCCACTGGGAAGCCTGGTCTGGGGCCCGGGACAGGCCAGCCACCAAGTGGTGGCATGCT
GTCCCTCCACAGCACACTCTGGGGTCGGTCCCGGCAGCAGCATCGCCCTCAGGCCCGCCAGGAGAG
CCAGGCAGGGACTTGGCCTCCAGTGAAAATGGCACTGAGTGCCGCAAGTGGCTTTGTGCGGCATAACGGC
TCCTGCCGGTCAGTGTGCGACCTTCCCAAGTACTGTGCAATGGCGGCCAGTGTACCTGGTGGAG
AACATAGGGGCCCTTCTGCAGGTGCAACACGAGGACTACATCTGGCACAAGGGGATGCGCTGCGAGTCC
ATCATACCGACTTCCAGGTGATGTGCGTGGCCGTGGGCTCGGCTGCCCTCGTCTGCTCCTGCTCTTC
ATGATGACGGTGTCTTTGCCAAGAAGCTCTACCTGCTCAAGACGGAGAATACCAAGCTGCGTAGGACC
AAGATGATCCTAGTGCTCCCCACAAAATCCAGGAGGTTCTCAAGTCTGCCTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001206944
Insert Size: 1434 bp



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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>NM_001206944.1</u>
RefSeq Size:	2099 bp
RefSeq ORF:	1434 bp
Locus ID:	10675
UniProt ID:	<u>O95196</u>
Cytogenetics:	3p21.31
Protein Families:	ES Cell Differentiation/IPS, Transmembrane
MW:	50.2 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 (4) lacks an alternate coding exon compared to variant 3, that causes a frameshift. The resulting isoform (4) has a shorter and distinct C-terminus compared to isoform 3.</p>