

## Product datasheet for **MG208611**

### Cspg5 (BC055736) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cspg5 (BC055736) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cspg5
Synonyms:	NGC, CALEB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG208611 representing BC055736  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCCGAGCTGGAGGCGGGGCCCGACTGGGGCCGCGCCAGTGCTGCTTCTGGGGTACCG  
 TGGTGCTCACCGCTGGGGCCGTACCGGCACGGAAACAGGCAGTGCATCGAGGCTGAAGAGCTGGTGAG  
 GAGCAGCCTGGCATGGGAGTCCGCTGCCAATGACACGCGGGAGGAAGCCGGCCTGCCAGCAGCTGGGGAA  
 GATGAGACCTCGTGGACAGAGCGGGCAGTGAGATGGCTGCGGTGGGCCCTGGGGTGGGCCAGAGGAGG  
 CACTAGAGGCATCGGCTGCAGTGACTGGCACTGCCTGGCTAGAGGCAGATGGCCAGGCCTGGGTGGAGT  
 GACTGCAGAGGCTGGCAGTGGCGACGCCAGACCCTCCAGCTACGCTCCAGGCTCCTGATGAGGCCCTT  
 GGGTCACTACAATGCCCTGCCATCCCTGAGGCTACTGAAACCAGTGGACCTCCCTCCCTGCTGTCC  
 ATGATAAGCCTAGTGTAGGCCCTGAACTCCCTAAAGAGATCCCTTGGAGGTTCCGGCTGAACCTGGGAGG  
 CAGCACACCAGAGCCCACTTTTCCCTTACAGGCACTCTCGAGACCAACCAGCCTCAGATATAATTGAC  
 ATTGATTACTTTGAAGGATTGGATAGTAGGGTGGTGGTGCAGACATGGGCAGCTCCCGGGGTACCCAG  
 GAACCTCAGAAAATCACCTGATACCGAAGGAGAGACCCCTTCCCTGGAGCCTGCTTGATTTGATATGTA  
 CTTACCCCTTTTATGAGTCTGATTTCTACCCACCACATCCTTCTATGATGATTTGGAAGAGGAGGAA  
 GAAGAGGAGGAGGATAAGGATACAGTAGGAGGTGGAGACCTGGAAGATGAAAACGACCTTCTCCTGCCCT  
 CTCAAAGCCTGGTGTGGGGCCTGGGACAGGACAGCCACCCACCGGTGGCATGCTGTTCCCCACAGCA  
 TACTCTGGGGATGGTACCTGGCAGCAGCATCTCTTAGGCCCGCCCGGAGATCCAGGCAAGGACCTG  
 GCCTCAGGAGAAAATGGCACAGAGTCCGAGTTGGCTTCGTGAGCACAATGGCTCCTGCCGGTCACTCT  
 GTGACCTTTCCGAGTTACTGTCACAACGGCGCCAGTGTACTGTTGGAGAACATAGGGGCTTTCTG  
 CAGGTGTAACACCCAGGACTACATCTGGCACAAGGGGATGCGCTGTGAGTCCATCATCACGGACTTCCAG  
 GTGATGTGCGTGGCCGTTGGCTCGGCTGCTCTCGTCTTCTCCTGTTGATGACTGTGTTCTTTG  
 CCAAGAAGCTCTATCTGCTCAAGACTGAGAATACCAAGCTGCGGAGGACCAATAAATCCGGACCCATC  
 TGAGCTCCACAACGACAATTCTCCCTCTCCACATTGCCGAGGGCTCTCATCAAATGACGACCCACG  
 GCTCCCCACAAAATCCAGGACCTCTCAAGTCCCGCTGAAGGAGGAAGAGTCTTTAACATCCAGAAT  
 CCATGTACCCAAACTTGAGGTGGCAAAGGTACCAGGATGACTGGGGTGAAGTGTCTGCAGAATAA  
 CCTAACC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG208611 representing BC055736  
 Red=Cloning site Green=Tags(s)

MGRAGGGGPDWGGPPVLLLLGVTLVLTAGAVPARETGSIAIEAELVRSSLAWESRANDTREEAGLPAAGE  
 DETSWTERGSEMAAVGPGVPEEALASA AVTGTAWLEADGPGLGGVTAEAGSGDAQTLPATLQAPDEAL  
 GSSTMPPAIPEATETSGPPSPAVHDKPSVGPPELKEIPLVRLNLGGSTPEPTFPLQGTLETQPASDIID  
 IDYFEGLDSEGRGADMGSFPGSPGTSENHPDTEGETPSWSLLDL YDDFTPFDESDFYPTTSFYDDLEEEE  
 EEEEDKDTVGGDLEENDLLLPSQKPGVPGTGQPTHRWHAVPPQHTLGMVPGSSI SLRPRPGDPKDL  
 ASGENGTECRVGFVRHNGSCRSDLFPSYCHNGGQCYL VENIGAFRCRCNTQDYIWHKGMRCESIIITDFQ  
 VMCVAVGSAALVLLLLFMMTVFFAKKLYLLKTENTKLRRTNKFRTPSELHNDNFSLSSTIAEGSHPNDDPS  
 APHKIQDPLKSRLEEFNIQNSMSPKLEGGKGDQDDLGVNCLQNNLT

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	BC055736
<b>ORF Size:</b>	1619 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC055736</a> , <a href="#">AAH55736</a>
<b>RefSeq Size:</b>	2144 bp
<b>RefSeq ORF:</b>	1619 bp
<b>Locus ID:</b>	29873
<b>Cytogenetics:</b>	9 F2
<b>Gene Summary:</b>	This gene encodes a chondroitin sulfate proteoglycan. The encoded protein has been termed a 'part-time' proteoglycan, as chondroitin sulfate chains appear to be attached to the protein in the developing but not the adult cerebellum and retina. It is thought that this protein plays roles in dendrite branching and synapse formation. [provided by RefSeq, Oct 2009]