

## Product datasheet for **RN200364**

### **Cspg5 (NM\_019284) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cspg5 (NM_019284) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cspg5
Synonyms:	Caleb; Ngc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN200364 representing NM\_019284  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGCCGAGCTGGAGGCGGGGCCCGGGCTGGGGCCCGCCAGTGTCTGCTTCTGGGGTACAGC  
 TGGTGCTCACCGCTGGGGCTGTACCGGCACGGGAAGCAGGCAGTGCATCGAGGCTGAAGAGCTGGTGAG  
 GAGCGGCCTTGCAATGGGAGTCCGCTGCCAATGACACGCGGGAGGAAGCTGGCCTGCCAGCAGCAGGGAA  
 GATGAGACCTCGTGGACAGAGCGGGCAGTGGCTGGCTGCGGTGGGCCCTGGGGTGGGCCAGAGGAGA  
 CACTAGAGGCATCGGCTGCAGTACTGGGACTGCCTGGCTAGAGGCAGATGGCACAGGCCTGGGTGGAGT  
 GACTGCAGAGGCTGGTAGTGGGACGCCAGACCCTCCAGCTACACTCCAGGCTCTGACGAGGCCCTT  
 GGGTCACTACAATGCCCTGCCATCCCTGAGGCTACTGAAGCCAGTGGACCTCCCTCCCCACCCTCC  
 GTGATAAACCTAGCCTAGTCCCTGAACCTCCCTAAGGAGATCCCTTGAAGTTTGGCTGAACCTGGGAGG  
 CAGCACACCTGACCCTCAAAGGCCAGAGCCTACTTTCCCTTCAGGGCACTCTAGAGACACAACCAGCC  
 TCAGATATAATTGACATTGATTCTTTGAAGATTGGATAGCGAGGGCCGAGGCACAGACATGGGCAGGT  
 TCCCGGGCTCACAGGAACCTCAGAAAATCACCTGATACTGAAGGAGAGACCCCTCCTGGAGCCTGCT  
 TGACTTATATGATGACTTCAACCCCTTTGATGAGTCTGATTTCTACCCACCACATCCTTCTATGATGAC  
 TTGGAAGAGGAGGAAGAGGAGGAGGATAAAGGATGCAGTGGGAGGCGGAGACCTGGAAGATGAAAGTG  
 ACCTCCTCCTGCCCTCTCAGAAGCCTGGTGTGGGGCTGGGACGGGACAGCCACCAGTCGATGGCATGC  
 AGTTCCACAGCATACTCTGGGGATGGTACCTGGTGGCAGCATCTCTTAGGCCCGCCCTGGAGAT  
 CCAGGCAAGGACCTGGCCACGAGCGAAAATGGAACAGAGTGGCGAGTTGGCTTTGTCAGACACAATGGCT  
 CCTGTCCGGTCAGTCTGTGACCTTCCCGAGTACTGTACAATGGCGGCAATGCTACCTGGTGGAGAA  
 CATAGGGGCTTTCTGCAGGTGTAACACCCAGGACTATATCTGGCACAAGGGGATGCGCTGTGAGTCCATC  
 ATCACCGACTTCCAGGTGATGTGCGTGGCCGCTCGGCTCGGCTGCGTTGGTGTCTCCTTCTGTTATGA  
 TGACTGTGTTCTTTGCCAAGAACTCTATCTGCTCAAGACTGAGAACACCAAGCTGAGGAGGACCAACA  
 ATTCCGGACCCCATCTGAGCTCCACAATGATAACTTCTCCCTCTCCACCATGCGGAGGGCTCCCATCCA  
 AATGATGACCCACGCGCTCCCCACAAAATCCAGGAAGCTCTCAAGTCCCGCCTGAAGGAGGAAGAGTCT  
 TTAACATCCAGAACTCCATGTCACCCAACTCGAGGGTGGCAAAGGTGACCAGGATGACTTGAGGTGAA  
 CTTTCTCCAGAATAACCTGAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_019284

**Insert Size:** 1635 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).

**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\\_019284.1](#), [NP\\_062157.1](#)

**RefSeq Size:** 2107 bp

**RefSeq ORF:** 1635 bp

**Locus ID:** 50568

**UniProt ID:** [Q9ERQ6](#)

**Cytogenetics:** 8q32

**Gene Summary:** proteoglycan expressed exclusively in brain and developing neurons [RGD, Feb 2006]  
Transcript Variant: This variant (1) uses an alternate in-frame splice site in the 3' coding region, compared to variant 2. This results in a shorter protein (isoform 1), compared to isoform 2.