

Product datasheet for **RN200363**

Cspg5 (NM_133652) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cspg5 (NM_133652) 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: >RN200363 representing NM_133652
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCGAGCTGGAGGCGGGGCCCGGGCTGGGGCCCGCCAGTGTCTGCTTCTGGGGTACGC
 TGGTGCTCACCGCTGGGGCTGTACCGGCACGGGAAGCAGGCAGTGCATCGAGGCTGAAGAGCTGGTGAG
 GAGCGGCCTTGATGGGAGTCCGCTGCCAATGACACGCGGGAGGAAGCTGGCCTGCCAGCAGCAGGGGAA
 GATGAGACCTCGTGGACAGAGCGGGCAGTGGCTGGCTGCGGTGGGCCCTGGGGTGGGCCAGAGGAGA
 CACTAGAGGCATCGGCTGCAGTACTGGCACTGCCTGGCTAGAGGCAGATGGCACAGGCCTGGGTGGAGT
 GACTGCAGAGGCTGGTAGTGGCGACGCCAGACCCTCCAGCTACACTCCAGGCTCTGACGAGGCCCTT
 GGGTCACTACAATGCCCTGCCATCCCTGAGGCTACTGAAGCCAGTGGACCTCCCTCCCCACCCTCC
 GTGATAAACCTAGCCTAGTCCCTGAACCTCCCTAAGGAGATCCCTTGAAGTTTGGCTGAACCTGGGAGG
 CAGCACACCTGACCCTCAAAGGCCAGAGCCTACTTTCCCTTCAGGGCACTCTAGAGACACAACCAGCC
 TCAGATATAATTGACATTGATTCTTTGAAGATTGGATAGCGAGGGCCGAGGCACAGACATGGGCAGGT
 TCCCGGGTCCACAGGAACCTCAGAAAATCACCTGATACTGAAGGAGAGACCCCTCCTGGAGCCTGCT
 TGACTTATATGATGACTTCAACCCCTTTGATGAGTCTGATTTCTACCCACCACATCCTTCTATGATGAC
 TTGGAAGAGGAGGAAGAGGAGGAGGATAAAGGATGCAGTGGGAGGCGGAGACCTGGAAGATGAAAGTG
 ACCTCCTCCTGCCCTCTCAGAAGCCTGGTGTGGGGCTGGGACGGGACAGCCACCAGTCGATGGCATGC
 AGTTCCTCCACAGCACTCTGGGGATGGTACCTGGTGGCAGCATCTCTTAGGCCCGCCCTGGAGAT
 CCAGGCAAGGACCTGGCCACGAGCGAAAATGGAACAGAGTCCGAGTTGGCTTTGTCAGACACAATGGCT
 CCTGTCGGTCAGTGTGACCTTTCCCGAGTTACTGTACAATGGCGGCAATGTACCTGGTGGGAGAA
 CATAGGGGCTTTCTGCAGGTGTAACACCCAGGACTATATCTGGCACAAGGGGATGCGCTGTGAGTCCATC
 ATCACCGACTTCCAGGTGATGTGCGTGGCCGCTCGGCTCGGCTGCGTTGGTGTCTCCTTCTGTTATGA
 TGACTGTGTTCTTTGCCAAGAACTCTATCTGCTCAAGACTGAGAACACCAAGCTGAGGAGGACCAACA
 ATTCCGGACCCCATCTGAGCTCCACAATGATAACTTCTCCCTCTCCACATTGCCGAGGGCTCCCATCCA
 AATGTAAGGAACTTTGCGACACTCCCTGTGTCTCTCCCCCATGCCCGTGCCTGGCTCACTGTGATA
 ACATTGTCTGTCAGGATGACCCAGCGCTCCCCACAAAATCCAGGAAGCTCTCAAGTCCCGCTGAAGGA
 GGAAGAGTCTTTAACATCCAGAACTCCATGTACCCAAACTCGAGGGTGGCAAAGGTGACCAGGATGAC
 TTGGAGGTGAAGTGTCTCAGAATAACCTGACC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_133652
- Insert Size:** 1716 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_133652.1](#), [NP_598413.1](#)

RefSeq Size: 1716 bp

RefSeq ORF: 1716 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 (2) encodes the longer isoform (2).