

Product datasheet for **RR200363**

Cspg5 (NM_133652) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cspg5 (NM_133652) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cspg5
Synonyms:	Caleb; Ngc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR200363 representing NM_133652
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCGAGCTGGAGGCGGGGCCCGGGCTGGGGCCGCGCCAGTGTCTGCTTCTGGGGTACGC
 TGGTGCTCACCGCTGGGGCTGTACCGGCACGGGAAGCAGGCAGTGCATCGAGGCTGAAGAGCTGGTGAG
 GAGCGGCCTTGCATGGGAGTCGCGTGCCAAATGACACGCGGGAGGAAGCTGGCCTGCCAGCAGCAGGGGAA
 GATGAGACCTCGTGGACAGAGCGGGCAGTGGCTGGCTGCGGTGGGCCCTGGGGTGGGCCAGAGGAGA
 CACTAGAGGCATCGGCTGCAGTACTGGCACTGCCTGGCTAGAGGCAGATGGCACAGGCCTGGGTGGAGT
 GACTGCAGAGGCTGGTAGTGGCGACGCCAGACCCTCCAGCTACACTCCAGGCTCTGACGAGGCCCTT
 GGGTCACTACAATGCCCTGCCATCCCTGAGGCTACTGAAGCCAGTGGACCTCCCTCCCCACCCTCC
 GTGATAAACCTAGCCTAGTCCCTGAACCTCCCTAAGGAGATCCCTTGAAGTTTGGCTGAACCTGGGAGG
 CAGCACACCTGACCCTCAAAGGCCAGAGCCTACTTTCCCTTCAGGGCACTCTAGAGACACAACCAGCC
 TCAGATATAATTGACATTGATTACTTTGAAGGATTGGATAGCGAGGGCCGAGGCACAGACATGGGCAGGT
 TCCCGGGTCCACAGGAACCTCAGAAAATCACCTGATACTGAAGGAGAGACCCCTCCTGGAGCCTGCT
 TGACTTATATGATGACTTCAACCCCTTTGATGAGTCTGATTTCTACCCACCACATCCTTCTATGATGAC
 TTGAAGAGGAGGAAGAGGAGGAGGATAAAGGATGCAGTGGGAGGCGGAGACCTGGAAGATGAAAGTG
 ACCTCCTCCTGCCCTCTCAGAAGCCTGGTGTGGGGCTGGGACGGGACAGCCACCAGTCGATGGCATGC
 AGTTCCTCCACAGCACTCTGGGGATGGTACCTGGTGGCAGCATCTCTTAGGCCCGCCCTGGAGAT
 CCAGGCAAGGACCTGGCCACGAGCGAAAATGGAACAGAGTGCCGAGTTGGCTTTGTGAGACAAATGGCT
 CCTGTGCGTCAGTGTGACCTTCCCGAGTTACTGTACAATGGCGGCAATGCTACCTGGTGGAGAA
 CATAGGGGCTTTCTGCAGGTGTAACACCCAGGACTATATCTGGCACAAGGGGATGCGCTGTGAGTCCATC
 ATCACCGACTTCCAGGTGATGTGCGTGGCCGCTCGGCTCGGCTGCGTTGGTGTCTCCTTCTGTTATGA
 TGACTGTGTTCTTTGCCAAGAACTCTATCTGCTCAAGACTGAGAACACCAAGCTGAGGAGGACCAACAA
 ATTCCGGACCCCATCTGAGCTCCACAATGATAACTTCTCCCTCTCCACATTGCCGAGGGCTCCCATCCA
 AATGTAAGGAACTTTGCGACACTCCCTGTGTCTCTCCCCCATGCCCGTGCCTGGCTCACTGTGATA
 ACATTGTCTGTCAGGATGACCCAGCGCTCCCCACAAAATCCAGGAAGCTCTCAAGTCCCGCTGAAGGA
 GGAAGAGTCTTTAACATCCAGAACTCCATGTACCCAAACTCGAGGGTGGCAAAGGTGACCAGGATGAC
 TTGGAGGTGAAGTGTCTCCAATAACCTGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200363 representing NM_133652
 Red=Cloning site Green=Tags(s)

MGRAGGGPGWGWPPVLLLLLVTLVLTAGAVPAREAGSAIEAEELVRSGLAWESRANDTREEAGLPAAGE
 DETSWTERGSELAAVPGVGPPEETLEASAAVTGTAWLEADGTGLGGVTAEAGSGDAQTLPATLQAPDEAL
 GSSTMPPAIPEATEASGPPSPTLRDKPSLYPELPKEIPLVWLNLLGGSTPDPQRPEPTFPLQGTLETQPA
 SDIIDIDYFEGLDSEGRGDMGRFPGSPGTSEHPDTEGETPSWSLLDLYDDFTPFDESDFYPTTSFYDD
 LEEEEEEEDKDAVGGDLEDESLLLLPSQKPGVGPQTGQPTSRWHAVPPQHTLGMVPGGSI SLRPRPGD
 PGKDLATSENGTECRVGFVRHNGSCRSDLFPSYCHNGGQCYL VENIGAFRCRCNTQDYIWHKGMRCESI
 ITDFQVMCVAVGSAALVLLLLFMMTVFFAKKLYLLKTENTKLRRNTKFRTPSELHNDNFSLSSTIAEGSHP
 NVRKLCDTPCVSSPHARALAHCDNIVCQDDPSAPHKIQEALKSRKKEESFNINQNSMSPKLEGGKGDQDD
 LEVNCLQNNLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

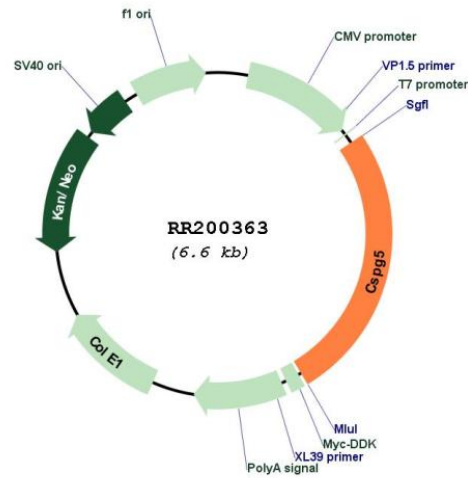
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_133652
 ORF Size: 1713 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_133652.1 , NP_598413.1
RefSeq Size:	1716 bp
RefSeq ORF:	1716 bp
Locus ID:	50568
UniProt ID:	Q9ERQ6
Cytogenetics:	8q32
MW:	61 kDa
Gene Summary:	proteoglycan expressed exclusively in brain and developing neurons [RGD, Feb 2006]