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Product datasheet for MC217783

Cspg5 (NM_013884) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cspg5 (NM_013884) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cspg5
Synonyms:	CAL; Caleb; NG; Ngc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC217783 representing NM_013884
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCCGAGCTGGAGGCGGGGGCCCGGACTGGGGGCCGCCGCCAGTGCTGCTGCTTCTGGGGGTCACGC
TGGTGCTCACCGCTGGGGCCGTACCGGCACGGGAAACAGGCAGTGCGATCGAGGCTGAAGAGCTGGTGAG
GAGCAGCCTGGCATGGGAGTCGCGTGCCAATGACACGCGGGAGGAAGCCGGCCTGCCAGCAGCTGGGGAA
GATGAGACCTCGTGGACAGAGCGGGGCAGTGAGATGGCTGCGGTGGGCCCTGGGGTCGGGCCAGAGGAGG
CACTAGAGGCATCGGCTGCAGTGACTGGCACTGCCTGGCTAGAGGCAGATGGCCCAGGCCTGGGTGGAGT
GACTGCAGAGGCTGGCAGTGGCGACGCCCAGACCCTTCCAGCTACGCTCCAGGCTCCTGATGAGGCCCTT
GGGTCATCTACAATGCCCCCTGCCATCCCTGAGGCTACTGAAACCAGTGGACCTCCCTCCCCTGCTGTCC
ATGATAAGCCTAGTGTAGGCCCTGAACTCCCTAAAGAGATCCCCTTGGAGGTTCGGCTGAACCTGGGAGG
CAGCACACCAGAGCCCACTTTTCCCCTTCAGGGCACTCTCGAGACCCAACCAGCCTCAGATATAATTGAC
ATTGATTACTTTGAAGGATTGGATAGTGAGGGTCGTGGTGCAGACATGGGCAGCTTCCCGGGGTCACCAG
GAACCTCAGAAAATCACCCTGATACCGAAGGAGAGACCCCTTCCTGGAGCCTGCTTGATTTGTATGATGA
CTTCACCCCTTTTGATGAGTCTGATTTCTACCCCACCACATCCTTCTATGATGATTTGGAAGAGGAGGAA
GAAGAGGAGGAGGATAAGGATACAGTAGGAGGTGGAGACCTGGAAGATGAAAACGACCTTCTCCTGCCCT
CTCAAAAGCCTGGTGTGGGGCCTGGGACAGGACAGCCCACCAACCGGTGGCATGCTGTTCCCCCACAGCA
TACTCTGGGGATGGTACCTGGCAGCAGCATCTCTCTTAGGCCCCGCCCCGGAGATCCAGGCAAGGACCTG
GCCTCAGGAGAAAATGGCACAGAGTGCCGAGTTGGCTTCGTCAGGCACAATGGCTCCTGCCGGTCAGTCT
GTGACCTCTTTCCGAGTTACTGTCACAACGGCGGCCAGTGCTACCTGGTGGAGAACATAGGGGCTTTCTG
CAGGTGTAACACCCAGGACTACATCTGGCACAAGGGGATGCGCTGTGAGTCCATCATCACGGACTTCCAG
GTGATGTGCGTGGCCGTTGGCTCGGCTGCTCTCGTGCTTCTCCTCCTGTTCATGATGACTGTGTTCTTTG
CCAAGAAGCTCTATCTGCTCAAGACTGAGAATACCAAGCTGCGGAGGACCAATAAATTCCGGACCCCATC
TGAGCTCCACAACGACAACTTCTCCCTCTCCACCATTGCCGAGGGCTCTCATCCAAATGACGACCCCAGC
GCTCCCCACAAAATCCAGGACCCTCTCAAGTCCCGCCTGAAGGAGGAAGAGTCCTTTAACATCCAGAACT
CCATGTCACCCAAACTTGAGGGTGGCAAAGGTGACCAGGATGACTTGGGGGTGAACTGTCTGCAGAATAA
CCTAACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013884

Insert Size: 1620 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_013884.3, NP_038912.3
RefSeq Size:	3800 bp
RefSeq ORF:	1620 bp
Locus ID:	29873
UniProt ID:	Q71M36
Cytogenetics:	9 F2
Gene Summary:	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] Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (a), also known as NGC-I and mCALEBa. Variant 1 contains an in-frame start site 223 codons upstream from the currently annotated site, but Kozak sequence and signal peptide considerations support use of the downstream AUG.