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Product datasheet for SC122794

CSEN (KCNIP3) (NM_013434) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSEN (KCNIP3) (NM_013434) Human Untagged Clone
Tag:	Tag Free
Symbol:	CSEN
Synonyms:	CSEN; DREAM; KCHIP3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_013434 edited
GGGAGGCTGGCAACAGTTTTCTTCAGCGCCCAGGATGCAGCCGGCTAAGGAAGTGACAAA
GGCGTCGGACGGCAGCCTCCTGGGGGACCTCGGGCACACACCACTTAGCAAGAAGGAGGG
TATCAAGTGGCAGAGGCCGAGGCTCAGCCGCCAGGCTTTGATGAGATGCTGCCTGGTCAA
GTGGATCCTGTCCAGCACAGCCCCACAGGGCTCAGATAGCAGCGACAGTGAGCTGGAGCT
GTCCACGGTGCGCCACCAGCCAGAGGGGCTGGACCAGCTGCAGGCCCAGACCAAGTTCAC
CAAGAAGGAGCTGCAGTCTCTCTACAGGGGCTTTAAGAATGAGTGTCCCACGGGCCTGGT
GGACGAAGACACCTTCAAACTCATTTACGCGCAGTTCTTCCCTCAGGGAGATGCCACCAC
CTATGCACACTTCCTCTTCAACGCCTTTGATGCGGACGGGAACGGGGCCATCCACTTTGA
GGACTTTGTGGTTGGCCTCTCCATCCTGCTGCGGGGCACAGTCCACGAGAAGCTCAAGTG
GGCCTTTAATCTCTACGACATTAACAAGGATGGCTACATCACCAAAGAGGAGATGCTGGC
CATCATGAAGTCCATCTATGACATGATGGGCCGCCACACCTACCCCATCCTGCGGGAGGA
CGCGCCGGCGGAGCACGTGGAGAGGTTCTTCGAGAAAATGGACCGGAACCAGGATGGGGT
AGTGACCATTGAAGAGTTCCTGGAGGCCTGTCAGAAGGATGAGAACATCATGAGCTCCAT
GCAGCTGTTTGAGAATGTCATCTAGGACACGTCCAAAGGAGTGCATGGCCACAGCCACCT
CCACCCCCAAGAAACCTCCATCCTGCCAGGAGCAGCCTCCAAGAAACTTTTAAAAAATAG
ATTTGCAAAAAGTGAACAGATTGCTACACACACACACACACACACACACACACACACACA
CACAGCCATTCATCTGGGCTGGCAGAGGGGACAGAGTTCAGGGAGGGGCTGAGTCTGGCT
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TGGGTGAGTGGCTGACAGAGCAGGTCTGCAGGCCACCAGCTGCTGGATGTCACCAAGAAG
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CGTAGCCACTCTCTGCCCACTACCTATGCTTCTAGAAAGCCCCTCACCTCAGGACCCCAG
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AGGTCCTCTTAGGTCCCGGGAGGAACGTGGTTCAGAGACTGGCAGCCAGGGAGCCCGGGG
CAGAGCTCAGAGGAGTCTGGGAAGGGGCGTGTCCCTCCTCTTCCTGTAGTGCCCCTCCCA
TGGCCCAGCAGCTTGGCTGAGCCCCCTCTCCTGAAGCAGTGTCGCCGTCCCTCTGCCTTG
CACAAAAAGCACAAGCATTCCTTAGCAGCTCAGGCGCAGCCCTAGTGGGAGCCCAGCACA
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GGTGGCCCTGGGGAAGAGGCCTTGGGGGTCTGCTCTGTGCCTGGGATCAGTGGGGCCCCA
AAGCCCAGCCCGGCTGACCAACATTCAAAAGCACAAACCCTGGGGACTCTGCTTGGCTGT
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AGGGCTGTGGCTGGGTGGTCAGCAGAAACCCCCAGGAGGAGAGAGATGCTGCTCCCGCCT
GATTGGGGCCTCACCCAGAAGGAACCCGGTCCCAGGCCGCATGGCCCCTCCAGGAACATT
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CCCGTGTGCCCCAAGAGGCTAGCCCCAGGGTGAGCAGGGCCCTCAGAGGAAAGGCAGTAT
GGCGGAGGCCATGGGGGCCCCTCGGCATTCACACACAGCCTGGCCTCCCCTGCGGAGCTG
CATGGACGCCTGGCTCCAGGCTCCAGGCTGACTGGGGGCCTCTGCCTCCAGGAGGGCATC
AGCTTTCCCTGGCTCAGGGATCTTCTCCCTCCCCTCACCCGCTGCCCAGCCCTCCCAGCT
GGTGTCACTCTGCCTCTAAGGCCAAGGCCTCAGGAGAGCATCACCACCACACCCCTGCCG
GCCTTGGCCTTGGGGCCAGACTGGCTGCACAGCCCAACCAGGAGGGGTCTGCCTCCCACG
CTGGGACACAGACCGGCCGCATGTCTGCATGGCAGAAGCGTCTCCCTTGGCCACGGCCTG
GGAGGGTGGTTCCTGTTCTCAGCATCCACTAATATTCAGTCCTGTATATTTTAATAAAAT
AAACTTGACAAAGGAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_013434 unedited
NGGACGCTCCCATTTGTAATACGACTTACTATAGGCGGCCGCGCATTCCCGGGCTATCGT
CGACCCACGCGTCCGGGGAGGCTGGCAACAGTTTTCTTCAGCGCCCAGGATGCAGCCGGC
TAAGGAAGTGACAAAGGCGTCGGACGGCAGCCTCCTGGGGGACCTCGGGCACACACCACT
TAGCAAGAAGGAGGGTATCAAGTGGCAGAGGCCGAGGCTCAGCCGCCAGGCTTTGATGAG
ATGCTGCCTGGTCAAGTGGATCCTGTCCAGCACAGCCCCACAGGGCTCAGATAGCAGCGA
CAGTGAGCTGGAGCTGTCCACGGTGCGCCACCAGCCAGAGGGGCTGGACCAGCTGCAGGC
CCAGACCAAGTTCACCAAGAAGGAGCTGCAGTCTCTCTACAGGGGCTTTAAGAATGAGTG
TCCCACGGGCCTGGTGGACGAAGACACCTTCAAACTCATTTACGCGCAGTTCTTCCCTCA
GGGAGATGCCACCACCTATGCACACTTCCTCTTCAACGCCTTTGATGCGGACGGGAACGG
GGCCATCCACTTTGAGGACTTTGTGGTTGGCCTCTCCATCCTGCTGCGGGGCACAGTCCA
CGAGAAGCTCAAGTGGGCCTTTAATCTCTACGACATTAACAAGGATGGCTACATCACCAA
AGAGGAGATGCTGGCCATCATGAAGTCCATCTATGACATGATGGGCCGCCACACCTACCC
CATCCTGCGGGAGGACGCGCCGGCGGAGCACGTGGAGAGGTTCTTCCAGAAAATGGACCG
GACCAGGAGGGGTAGTGACCATTGAAGAGTTCCTGGAGCCTGTCAAAAGGTGAGACATCA
TGAGCTCCATGCACCTGTTGGAGATGTCATCTAGGACACGTCCCAAGGATGCC
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Restriction Sites: Please inquire

ACCN: NM_013434

Insert Size: 2849 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_013434.3, NP_038462.1

RefSeq Size: 2906 bp

RefSeq ORF: 771 bp

Locus ID: 30818

UniProt ID: Q9Y2W7

Cytogenetics: 2q11.1

Protein Families: Druggable Genome, Transcription Factors, Transmembrane

Gene Summary: This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins, which belong to the recoverin branch of the EF-hand superfamily. Members of this family are small calcium binding proteins containing EF-hand-like domains. They are integral subunit components of native Kv4 channel complexes that may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. The encoded protein also functions as a calcium-regulated transcriptional repressor, and interacts with presenilins. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).