

Product datasheet for **SC107558**

Calneuron 1 (CALN1) (NM_031468) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calneuron 1 (CALN1) (NM_031468) Human Untagged Clone
Tag:	Tag Free
Symbol:	Calneuron 1
Synonyms:	CABP8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_031468, the custom clone sequence may differ by one or more nucleotides

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ATGCGGCTGCCAGAGCAACCCGGAGAGGGGAAGCCCGAGAATGAGAAAAAGGGGACGGAGGAGCCCTCG
GAGGGGGAGAGGAGCCGCCGAGGAGCCAGGCCCCCGACTTCCCCACCTGGGAAAAGATGCCGTTCCACCA
TGTGACCGCCGGCTTGTGTACAAGGGGAATTACCTCAACCGATCGCTCTCTGCTGGCAGTGACAGCGAA
CAGCTGGCTAATATCTCCGTGGAGGAGCTCGATGAAATCCGAGAGGCCTTTCGGGTTCTGGACCGGGATG
GGAACGGCTTCATCTCCAAGCAGGAGCTGGGCATGGCCATGCGCTCTTTGGGGTACATGCCAAGCGAGGT
GGAGCTGGCCATCATCATGCAGCGCTTGGACATGGACGGGGATGGCCAGGTGGATTTTGATGAATTCATG
ACCATTCTGGCCCCAACTGGTGTCTTCAGAAGGTCGCGATGGTTTTCTGGGAACACGATAGACAGCA
TATTCTGGCAGTTTGACATGCAAAGGATAACTCTGGAAGAGTTGAAGCACATTCTATCATGCCTTCCG
AGACCACCTAACGATGAAGGACATTGAGAACATCATTATCAATGAGGAAGAGAGCCTGAATGAGACCTCG
GGAACTGCCAAACAGAGTTTGAAGGAGTGCAATCCAGAAAGCAGAACAGACAGACCTGCGTCCGGAAAG
GCCTCATATGCGCCTTTGCTATGGCCTTCATCATCAGTGTGATGATTGCAGCCAACCCAGATACTCCG
GAGCGGCATGGAGTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031468 unedited</p> <pre>GGTCGCATTTGTATACGACTCATATAGGGCGGCCGCGATTCCGGCAGGAGGAGAGGCT GAGCGCTGCCCGCTCGGCGCATCCATCCGCACCGCCCTCCCTGCGGGCCTCGGAGGA AGCCCCCGCGCTGTGCGGAGGCGCCTCGGCTGCCGGGCTGCGGAGCCCCGGCCAGCAA GAGGGAAAAGATGCCGTTCCACCATGTGACCGCCGGCTTGTGTACAAGGGGAATTACCT CAACCGATCGCTCTGCTGGCAGTGACAGCGAACAGCTGGCTAATATCTCCGTGGAGGA GCTCGATGAAATCCGAGAGGCCCTTTCGGGTTCTGGACCGGGATGGGAACGGCTTCATCTC CAAGCAGGAGCTGGGCATGGCCATGCGCTCTTTGGGGTACATGCCAAGCGAGGTGGAGCT GGCCATCATCATGCAGCGCTTGGACATGGACGGGGATGGCCAGGTGGATTTTGATGAATT CATGACCATTCTTGGCCCCAACTGGTGTCTTCAGAAGGTCGCGATGGTTTTCTTGGGAA CACGATAGACAGCATATTCTGGCAGTTTGACATGCAAAGGATAACTCTGGAAGAGTTGAA GCACATTCTCTATCATGCCTTCCGAGACCACCTAACGATGAAGGACATTGAGAATCAT TATCAATGAGGAAGAGAGCCTGAATGAGACCTCGGGAACTGCCAAACAGAGTTTGAAGG AGTGCATTCCCAGAAGCAGAACAGACAGACCTGCGTCCGGGAGAGCCTCATATGCGCCTT TGCTATGGCCTTCATCATCAGTGTGCTGATTGCAGCCAACCCAGATACTCCGGAGCGG CATGGAGTAGCAGCCNTCNGCCAGCCACACTGGTGTGACAGCTCACCGCGCATGTGCATG CCGTGCGGNCAGACTCTTNTNCCACA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031468 unedited</p> <pre>TACCTCTGCCNCGCGGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTAGTAGAG AGGGGTTTACCACGTTGGCCAGGCTGGTCTTGAACCTCCTGATCTTAAGTGATCCACCTG CCTTGGCCTCCCAAAGTCTGGGATTATAGGTGTGAGCCACCGCACCTGGTCCTTAATGC TTCTTTTCTATTTTCAGATAGATTCTCCCCTTCTGGGGCAGTTGAGCAATCAGGTGTGGAG GGAAGATGGCTATGGTAAGGCCTTTAGGCTACGGACTCTTAGCTCCATGGGGATCACTGA AGAGGCCAATCTGAATGTTCTGATTTGAGGCCTTTTAAGACACACGTTCTTCAGGGGTTG CAGCTCTGCAGACCTCCTGGTTATAACAACCAGCATGTGTGACGCGCTGAAGTCTAACAGC TCCATTTTCAGTTCATCCCGTACCATCACGGTGATATCCGAACCGGGGCCCTTTCTAGCAG GGGAATTCACACCCCTCTGTTATCTCGGCGAAATGCGCCAAATGTACCGACTATGCG CCTTTGGAGAACTACCGCGGCAACCCGACCCATCAGGCCCCGACACCTGCACCTATGAGG AGCACAGCTTAGCAGCTCTGTCAGGAACGAGCGCAAGGACACAGTTACCTCCGATTCC AGCATGCCATCCCACGTGGCCTGTCCAGCCCACACCAGGGAGCTGTCCCTGCCCTT GCCCCCGCCATCTTTGCTATGCCCATCAACCCCATACGCCATTCTATCTTTTCGTGC CCTTCCCGCGCCTCCCTTTTTCTTACGTCCCGGTCTGCATCAACCCCGTCCAGCCT CTTTATTCATGTCAATTTTTCTCCCCCCCCCTTCTCCCCCCCCTCTACCCCAACC GTGGGCCCTCCCCCACCCATTCTTTCCATTCTCTCCCTCCCCATCCCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_031468
Insert Size:	5700 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_031468.2](#), [NP_113656.1](#)

RefSeq Size: 5983 bp

RefSeq ORF: 660 bp

Locus ID: 83698

UniProt ID: [Q9BXU9](#)

Cytogenetics: 7q11.22

Domains: EFh

Protein Families: Transmembrane

Gene Summary: This gene encodes a protein with high similarity to the calcium-binding proteins of the calmodulin family. The encoded protein contains two EF-hand domains and potential calcium-binding sites. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript.