

Product datasheet for SC317373

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:	CALN1
Synonyms:	CABP8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317373 representing NM_031468. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGGCTGCCAGAGCAACCCGGAGAGGGGAAGCCCGAGAATGAGAAAAAGGGGACGGAGGAGCCCTC
GGAGGGGAGAGGAGCCGCCGAGGAGCCAGGCCCCCGACTTCCCCACCTGGGAAAAGATGCCGTTCCAC
CATGTGACCGCCGGCTTGTGTACAAGGGGAATTACCTCAACCGATCGCTCTCTGCTGGCAGTGACAGC
GAACAGCTGGCTAATATCTCCGTGGAGGAGCTCGATGAAATCCGAGAGGCCTTTCGGGTTCTGGACCGG
GATGGGAACGGCTTCATCTCCAAGCAGGAGCTGGGCATGGCCATGCGCTCTTGGGGTACATGCCAAGC
GAGGTGGAGCTGGCCATCATCATGCAGCGCTTGGACATGGACGGGGATGGCCAGGTGGATTTTGATGAA
TTCATGACCATTCTTGGCCCAAACCTGGTGTCTTCAGAAGGTCGCGATGGTTTTCTTGGGAACACGATA
GACAGCATATTCTGGCAGTTTGACATGCAAGGATAAATCTGGAAGAGTTGAAGCACATTCTCTATCAT
GCCTTCCGAGACCACCTAACGATGAAGGACATTGAGAATCATTATCAATGAGGAAGAGAGCCTGAAT
GAGACCTCGGGAACTGCCAAACAGAGTTTGAAGGAGTGCAATCCAGAAAGCAGAACAGACAGACCTGC
GTCCGGAAGAGCCTCATATGCGCCTTGGCTATGGCCTTTCATCATCAGTGTCTGATTGCAGCCAAAC
CAGATACTCCGGAGCGGCATGGAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAAGGTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_031468
Insert Size:	786 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_031468.3
RefSeq Size:	9500 bp
RefSeq ORF:	786 bp
Locus ID:	83698
UniProt ID:	Q9BXU9
Cytogenetics:	7q11.22
Domains:	EFh
Protein Families:	Transmembrane
MW:	29.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript.</p>