

Product datasheet for RN212653

Caln1 (NM_001077201) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Caln1 (NM_001077201) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Caln1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN212653 representing NM_001077201
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGGCTGCCTGAGCAACCTGGAGATGGAAAGCCTGAGAATGAGACAAAGGGGGACCAAGAAACCCCG
 AAAGGGGAGAGGACCCACGGAGAAGCCAGCCCTGACTTCCCCACCTGGGAAAAGATGCCGTTCCACCA
 TGTAACGTCTGGCTTGTGTACAAGGGGAATTACCTCAACCGATCTGTCTGCAGGCAGCGACAGTGAG
 CAGTTGGCTAATATCTCTGTGGAAGAAGCTCGATGAAATCCGAGAAGCCTCCGTGTTCTGGACAGAGATG
 GGAACGGCTTCACTCTAAGCAGGAGCTGGGCATGGCGATGCGTCTTTGGGGTACATGCCAAGCGAAGT
 GGAATGGCTATCATCATGCAGCGCCTGGACATGGACGGAGATGGGCAGGTAGATTTTGATGAATTCATG
 ACGATTCTGGACCCAAGCTGGTATCATCCGAAGGTCGAGATGGTTTTCTTGAAATACGATAGACAGTA
 TCTTCTGGCAGTTCGACATGCAGAGAGTCACTCTGGAAGAGCTGAAGCATATCCTGTACCATGCCTCCG
 GGATCACTTAACAATGAAGGACATTGAGAACATTATTATCAACGAGGAGGAGAGTTTGAACGAGACCTCG
 GGGAACTGCCAGACAGAGTTTGAAGGAGTCCATTCGCAGAAACAGAACCGGCAGACCTGCGTCCGCAAGA
 GCCTCATATGCGCCTTTGCCATGGCCTTATCATAAGCGTCATGCTGATCGCAGCCAACCCAGATCCTGCC
 GAGCGGCATGGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001077201
 Insert Size: 786 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:	<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:	<u>NM_001077201.1</u> , <u>NP_001070669.1</u>
RefSeq Size:	786 bp
RefSeq ORF:	786 bp
Locus ID:	363909
UniProt ID:	<u>Q06BI2</u>
Cytogenetics:	12q12
Gene Summary:	Negatively regulates Golgi-to-plasma membrane trafficking by interacting with PI4KB and inhibiting its activity. May play a role in the physiology of neurons and is potentially important in memory and learning.[UniProtKB/Swiss-Prot Function]