

Product datasheet for **MC207851**

Caln1 (NM_021371) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Caln1 (NM_021371) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Caln1
Synonyms:	9630012C17Rik; Cabp8; MNCb-0849
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207851 representing NM_021371 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGTTCCACCATGTAACCGCTGGCTTGTGTACAAGGGGAATTACCTCAACCGATCTCTGTCTGCAG
GCAGTGACAGCGAGCAGTTGGCTAATATCTCCGTGGAAGAACTGGATGAAATCCGAGAAGCCTTCCGTGT
TCTGGACAGAGATGGCAACGGCTTCATCTCCAAGCAGGAGCTGGGCATGGCCATGCGCTCCTTGGGGTAC
ATGCCGAGCGAAGTGGAGCTGGCTATCATATGCAGCGTTTGGACATGGACGGAGATGGGCAGGTAGATT
TTGATGAATTCATGACGATCTTGGGCCAAGCTGGTGTATCAGAAGGTCGGGATGGTTTTCTTGGAAA
TACGATAGACAGTATCTTCTGGCAGTTCGACATGCAGAGAGTACGCTGGAAGAGCTGAAGCACATCCTG
TACCACGCCTTCCGGGATCACTTAACGATGAAGGACATTGAGAACATTATCATCAACGAGGAGGAGATT
TGAACGAGACCTCGGGAACTGCCAGACAGAGTTTGAAGGAGTTCATTTCGAGAAACAGAACCGACAGAC
CTGCGTCCGCAAGAGCCTCATATGCCCTTTGCCATGGCCTTCATCATAAGCGTCATGCTGATCGCAGCC
AACCAGATCCTGCGGAGCGGCATGGAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_021371
Insert Size:	660 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).
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_021371.2</u> , <u>NP_067346.1</u>
RefSeq Size:	2586 bp
RefSeq ORF:	660 bp
Locus ID:	140904
UniProt ID:	<u>Q9JIG7</u>
Cytogenetics:	5 G1.3- G2
Gene Summary:	Negatively regulates Golgi-to-plasma membrane trafficking by interacting with PI4KB and inhibiting its activity (By similarity). May play a role in the physiology of neurons and is potentially important in memory and learning.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting protein (isoform 2) has a shorter N-terminus when compared to isoform 1.