

Product datasheet for **MC207997**

Calu (NM_007594) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Calu (NM_007594) Mouse Untagged Clone
Tag: Tag Free
Symbol: Calu
Synonyms: 9530075H20Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207997 representing NM_007594
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACCTGCGTCAGTTTCTTATGTGCCTGTCCCTGTGCACAGCCTTTGCTTTGAGCAAGCCTACAGAAA
AGAAGGACCGAGTACACCATGAGCCTCAGCTCAGCGATAAAGTTCACAATGATGCTCAGAATTTTGACTA
TGACCATGATGCCTTCTGGGTGCAGAAGAGGCAAGAGTTTTGATCAGCTGACACCAGAAGAGAGCAAG
GAAAGGCTTGGAAAGATTGTAAGTAAAATAGATGACGACAAGGATGGGTTTGTCACTGTGGATGAACTCA
AAGGCTGGATTAAGTTTGCACAAAAGCGCTGGATTCACGAGGATGTAGAGCGGCAATGGAAGGGGCACGA
CCTCAATGAGGATGGCTCGTTTCTGGGAGGAGTATAAAAATGCCACCTACGGCTACGTTTTAGATGAT
CCAGATCCTGATGATGGATTTAATTATAAACAGATGATGGTCAGAGATGAGCGGAGGTTTAAAATGGCAG
ACAAGGATGGAGACCTAATTGCCACAAAGGAAGAGTTCACAGCTTTCCTGCACCTGAGGAATATGACTA
CATGAAAGACATAGTCGTGCAGGAAACCATGGAGGATATAGACAAGAATGCTGATGGGTTTCATTGATCTA
GAGGAGTACATTGGTGACATGTACAGTCATGATGGGAATGCTGATGAGCCAGAGTGGGTGAAGACAGAGC
GAGAACAGTTCGTGGAGTTTCGAGATAAGAACCAGGATGGGAAGATGGACAAGGAAGAGACCAAAGACTG
GATCCTCCCCTCAGACTATGACCATGCAGAGGCAGAAGCCAGGCATCTGGTCTATGAGTCAGACCAAAC
AAGGATGGCAAGCTCACCAAGGAGGAGATTGTCGACAAGTATGATTTATTTGTGGCAGCCAGGCCACAG
ATTTCCGGGAGGCCTTAGTACGACATGATGAGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007594
Insert Size: 948 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:	NM_007594.4 , NP_031620.1
RefSeq Size:	3229 bp
RefSeq ORF:	948 bp
Locus ID:	12321
UniProt ID:	O35887
Cytogenetics:	6 A3.3
Gene Summary:	Involved in regulation of vitamin K-dependent carboxylation of multiple N-terminal glutamate residues. Seems to inhibit gamma-carboxylase GGCX. Binds 7 calcium ions with a low affinity (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes isoform 1.