

Product datasheet for **RN216338**

Calu (NM_001033898) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Calu (NM_001033898) Rat Untagged Clone
Tag: Tag Free
Symbol: Calu
Synonyms: Cbp50; Rcn
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216338 representing NM_001033898
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACCTGCGTCAGTTTCTTATGTGCCTGTCCCTGTGCACGGCCTTTGCTTTGAGCAAGCCTACAGAAA
AGAAGGACCGAGTACACCATGAACCTCAGCTCAGCGACAAAGTTCACAACGATGCTCAGAATTTTGACTA
TGACCATGATGCCTTCTGGGAGCAGAAGAGGCAAGAGTTTTGATCAGCTGACACCAGAAGAGAGCAAG
GAAAGGCTTGGAAATGATTGTAGATAAAAATAGACACCGATAAAGATGGGTTTGTGACGAAGGGGAGCTGA
AGTCTGGATTAAGCACGCCAGAGAAGAAATACATATATGACAATGTTGAAAACCAAGTGGCAGGAGTTTGA
TATGAATCAAGACGGCTTAATCTCCTGGGATGAGTACAGAAACGTGACTTATGGCACTTACCTGGATGAT
CCAGACCTGATGATGGATTTAATTATAAACAGATGATGGTTAGAGATGAGCGGAGGTTCAAATGGCAG
ACAAAGATGGAGACCTAATTGCCACAAAGGAGGAGTTTACCGCTTTTCTGCACCTGAGGAATATGACTA
CATGAAAGACATAGTCGTGCAGGAAACCATGGAGGATATAGACAAGAATGCTGATGGTTTTATTGATCTA
GAAGAGTATATTGGTGACATGTACAGTCATGATGGGAATGCTGATGAACCAGAGTGGTGAAGACAGAGC
GGGAGCAGTTTCGTTGAGTTTCGAGATAAGAACCAGGATGGAAAGATGGACAAGGAAGACCAAAGACTG
GATCCTCCCTCAGACTATGACCATGCAGAGGCCGAAGCCAGGCATCTCGTCTATGAGTCCGACCAAGAC
AAGGATGGCAAGCTCACCAAGGAGGAGATTGTCGACAAGTATGATTTATTTGTGGCAGCCAGGCCACAG
ATTTCCGGGGAGGCCTTAGTACGACACGATGAGTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001033898
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001033898.1</u> , <u>NP_001029070.1</u>
RefSeq Size:	3203 bp
RefSeq ORF:	948 bp
Locus ID:	64366
Cytogenetics:	4q22
Gene Summary:	binds calcium; localized to the endoplasmic reticulum lumen [RGD, Feb 2006] Transcript Variant: This variant (2) lacks one alternate in-frame exon and contains another alternate in-frame exon compare to variant 1. The resulting isoform (b) is of the same size as isoform a, but it differs in its internal aa sequence.