

## Product datasheet for **SC331340**

### Calumenin (CALU) (NM\_001199671) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Calumenin (CALU) (NM\_001199671) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Calumenin  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331340 representing NM\_001199671.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGAAGGAACTGATCTAATTATCATGGACCTGCGACAGTTTCTTATGTGCCTGTCCCTGTGCACAGCC
TTTGCCTTGAGCAAACCCACAGAAAAGAAGGACCGTGTACATCATGAGCCTCAGCTCAGTGACAAGGTT
CACAATGATGCTCAGAGTTTTGATTATGACCATGATGCCTTCTTGGGTGCTGAAGAAGCAAAGACCTTT
GATCAGCTGACACCAGAAGAGAGCAAGGAAAGGCTTGGAAAGATTGTAAGTAAATAGATGGCGACAAG
GACGGGTTTGTCACTGTGGATGAGCTCAAAGACTGGATTAATTTGCACAAAAGCGCTGGATTTACGAG
GATGTAGAGCGACAGTGGAGGGGCATGACCTCAATGAGGACGGCCTCGTTTCTGGGAGGAGTATAAA
AATGCCACCTACGGCTACGTTTTAGATGATCCAGATCCTGATGATGGATTTAACTATAAACAGATGATG
GTTAGAGATGAGCGGAGGTTTTAAATGGCAGACAAGGATGGAGACCTCATTGCCACCAAGGAGGAGTTC
ACAGCTTCTGCACCCTGAGGAGTATGACTACATGAAAGATATAGTAGTACAGGAAACAATGGAAGAT
ATAGATAAGAATGCTGATGGTTTCATTGATCTAGAAGAGTATATTGGTGACATGTACAGCCATGATGGG
AATACTGATGAGCCAGAATGGGTAAGACAGAGCGAGAGCAGTTTGTGAGTTTCGGGATAAGAACCCT
GATGGGAAGATGGACAAGGAAGAGACCAAAGACTGGATCCTTCCCTCAGACTATGATCATGCAGAGGCA
GAAGCCAGGCACCTGGTCTATGAATCAGACAAAACAAGGATGGCAAGCTTACCAAGGAGGAGATCGTT
GACAAGTATGACTTATTTGTTGGCAGCCAGGCCACAGATTTTGGGAGGCCTTAGTACGGCATGATGAG
TTCTGA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001199671  
**Insert Size:** 972 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:**

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\\_001199671.1](#)

**RefSeq Size:** 6181 bp

**RefSeq ORF:** 972 bp

**Locus ID:** 813

**UniProt ID:** [O43852](#)

**Cytogenetics:** 7q32.1

**Protein Families:** Secreted Protein

**MW:** 38.1 kDa

**Gene Summary:** The product of this gene is a calcium-binding protein localized in the endoplasmic reticulum (ER) and it is involved in such ER functions as protein folding and sorting. This protein belongs to a family of multiple EF-hand proteins (CERC) that include reticulocalbin, ERC-55, and Cab45 and the product of this gene. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2008]  
Transcript Variant: This variant (3) has an additional exon in the 5' region, introducing an in-frame upstream AUG start codon, compared to variant 1. The resulting isoform (c) has a longer N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.