

Product datasheet for **SC331341**

Calumenin (CALU) (NM_001199672) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Calumenin (CALU) (NM_001199672) Human Untagged Clone
Tag: Tag Free
Symbol: Calumenin
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331341 representing NM_001199672.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAAGGAACTGATCTAATTATCATGGACCTGCGACAGTTTCTTATGTGCCTGTCCCTGTGCACAGCC
TTTGCCTTGAGCAAACCCACAGAAAAGAAGGACCGTGTACATCATGAGCCTCAGCTCAGTGACAAGGTT
CACAATGATGCTCAGAGTTTTGATTATGACCATGATGCCTTCTTGGGTGCTGAAGAAGCAAAGACCTTT
GATCAGCTGACACCAGAAGAGAGCAAGGAAAGGCTTGAATGATTGTAGATAAAATAGACGCGGATAAA
GATGGGTTTGTGACGGAGGGGAGCTGAAATCCTGGATTAAGCACGCCAGAAGAATACATATATGAC
AATGTTGAAAACCAATGGCAGGAGTTTGATATGAATCAAGACGGCTTAATCTCCTGGGATGAGTACAGA
AACGTGACTTATGGCACTTACCTGGATGATCCAGATCCTGATGATGGATTAACATAAACAGATGATG
GTTAGAGATGAGCGGAGGTTTAAAATGGCAGACAAGGATGGAGACCTCATTGCCACCAAGGAGGAGTTC
ACAGCTTCTGACCCCTGAGGAGTATGACTACATGAAAGATATAGTAGTACAGGAAACAATGGAAGAT
ATAGATAAGAATGCTGATGGTTTCATTGATCTAGAAGAGTATATTGGTGACATGTACAGCCATGATGGG
AATACTGATGAGCCAGAATGGTAAAGACAGAGCGAGAGCAGTTTGTGAGTTTCGGGATAAGAACCCT
GATGGGAAGATGGACAAGGAAGAGACCAAAGACTGGATCCTTCCCTCAGACTATGATCATGCAGAGGCA
GAAGCCAGGCACCTGGTCTATGAATCAGACAAAACAAGGATGGCAAGCTTACCAAGGAGGAGATCGTT
GACAAGTATGACTATTTGTTGGCAGCCAGGCCACAGATTTTGGGAGGCCTTAGTACGGCATGATGAG
TTCTGA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001199672
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).



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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_001199672.1](#)

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 (4) has an additional exon in the 5' region, introducing an in-frame upstream AUG start codon, and has an alternate in-frame coding exon, compared to variant 1. The resulting isoform (d) has a longer N-terminus and a different internal segment, 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.