

Product datasheet for **SC324430**

Calumenin (CALU) (NM_001219) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Calumenin (CALU) (NM_001219) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Calumenin |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001219.2
 GCGGCCACGGCATCCTGTGCTGTGGGGCTACGAGGAAAGATCTAATTATCATGGACCTG
 CGACAGTTTCTTATGTGCCTGTCCCTGTGCACAGCCTTTGCCCTTGAGCAAACCCACAGAA
 AAGAAGGACCGTGTACATCATGAGCCTCAGCTCAGTGACAAGGTTCACAATGATGCTCAG
 AGTTTTGATTATGACCATGATGCCTTCTGGGTGCTGAAGAAGCAAAGACCTTTGATCAG
 CTGACACCAGAAGAGAGCAAGGAAAGGCTTGGAAAGATTGTAAGTAAAAATAGATGGCGAC
 AAGGACGGGTTTGTCACTGTGGATGAGCTCAAAGACTGGATTAATTTGCACAAAAGCGC
 TGGATTTACGAGGATGTAGAGCGACAGTGGAAAGGGCATGACCTCAATGAGGACGGCCTC
 GTTTCCTGGGAGGAGTATAAAAAATGCCACCTACGGCTACGTTTTAGATGATCCAGATCCT
 GATGATGGATTTAACTATAAACAGATGATGGTTAGAGATGAGCGGAGTTTAAAAATGGCA
 GACAAGGATGGAGACCTATTGCCACCAAGGAGGAGTTTACAGCTTTCTGCACCCTGAG
 GAGTATGACTACATGAAAGATATAGTAGTACAGGAAACAATGGAAGATATAGATAAGAAT
 GCTGATGGTTTCATTGATCTAGAAGAGTATATTGGTGACATGTACAGCCATGATGGGAAT
 ACTGATGAGCCAGAATGGGTAAGACAGAGCGAGAGCAGTTTGTGAGTTTCGGGATAAG
 AACCGTATGGGAAGATGGACAAGGAAGAGACCAAGACTGGATCCTTCCCTCAGACTAT
 GATCATGCAGAGGCAGAAGCCAGGCACCTGGTCTATGAATCAGACCAAAACAAGGATGGC
 AAGCTTACCAAGGAGGAGATCGTTGACAAGTATGACTTATTTGTTGGCAGCCAGGCCACA
 GATTTTGGGAGGCCCTTAGTACGGCATGATGAGTTCTGAGCTACGGAGGAACCTCATT
 CCTCAAAGTAATTTATTTTACAGCTTCTGGTTTACATGAAATGTTTGCCTACTGA
 GACTGTTACTACAACTTTTAAAGACATGAAAAGGCGTAATGAAAACCATCCCGTCCCA
 TTCCTCCTCTCTGAGGGACTGGAGGGAAGCCGTGCTTCTGAGGAACAACCTAATTA
 GTACACTTGTGTTGTAGATTTACACTTGTATTATGTATTAACATGGCGTGTATTTT
 TGTATTTTCTCTGGTTGGGAGTATGATATGAAGGATCAAGATCCTCAACTCACACATGT
 AGACAAAACATTAGCTCTTACTCTTCTCAACCCCTTTTATGATTTTAATAATTCTCACT
 TAACTAATTTTGTAAAGCCTGAGATCAATAAGAAATGTTCAAGGAGAGGAAAGAAAAAAA
 ATATATGCTCCACAATTTATATTTAGAGAGAGAACAACCTTAGTCTTGCCTGTCAAAAAGTC
 CAACATTTCATAGGTAGTAGGGCCACATATTACATTCAGTTGCTATAGGTCCAGCAACT
 GAACCTGCCATTACCTGGGCAAGGAAAGATCCCTTTGCTCTAGGAAAGCTTGGCCCAAT
 TGATTTTCTTCTTTTCCCCTGTAGGACTGACTGTTGGCTAATTTTGTCAAGCACAGCT
 GTGGTGGGAAGAGTTAGGGCCAGTGTCTTAAAAATCAATCAAGTAGTGAATGTGATCTCT
 TTGCAGAGCTATAGATAGAAACAGCTGGAAAACAAAGGAAAAATACAAGTGTTTTCGGG
 GCATACATTTTTTTCTGGGTGTGCATCTGTTGAAATGCTCAAGACTTAATTATTGCTT
 TTTGAAATCACTGTAATGCCCCATCCGGTTCCTTCTTCCCAGGTGTGCCAAGGAAT
 TAATCTTGGTTTCACTACAATTAATAATCACTCCTTTCCAATCAAAAAAAAAAAAAAAAAA
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM_001219
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001219.2 , NP_001210.1 |
| RefSeq Size: | 3320 bp |
| RefSeq ORF: | 948 bp |
| Locus ID: | 813 |
| UniProt ID: | O43852 |
| Cytogenetics: | 7q32.1 |
| Domains: | EFh |
| Protein Families: | Secreted Protein |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) encodes the predominant 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.</p> |