

Product datasheet for SC329546

Calumenin (CALU) (NM_001199674) Human Untagged Clone

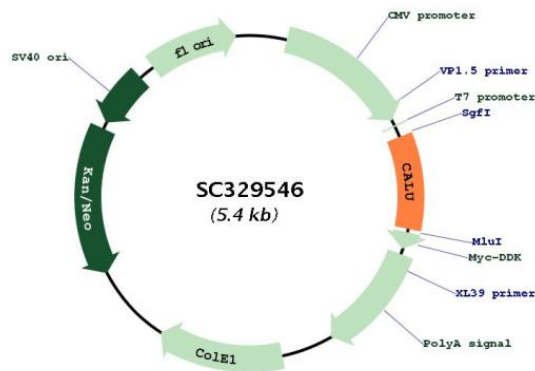
Product data:

Product Type:	Expression Plasmids
Product Name:	Calumenin (CALU) (NM_001199674) Human Untagged Clone
Tag:	Tag Free
Symbol:	CALU
Synonyms:	FLJ90608
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329546 representing NM_001199674. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATGGTTAGAGATGAGCGGAGGTTTAAATGGCAGACAAGGATGGAGACCTCATTGCCACCAAGGAG
GAGTTCACAGCTTTCCTGCACCCTGAGGAGTATGACTACATGAAAGATATAGTAGTACAGGAAACAATG
GAAGATATAGATAAGAATGCTGATGGTTTCATTGATCTAGAAGAGTATATTGGTGACATGTACAGCCAT
GATGGGAATACTGATGAGCCAGAATGGGTAAAGACAGAGCGAGAGCAGTTTGTGGAGTTTCGGGATAAG
AACCGTGATGGGAAGATGGACAAGGAAGAGACCAAGACTGGATCCTTCCCTCAGACTATGATCATGCA
GAGGCAGAAGCCAGGCACCTGGTCTATGAATCAGACCAAAACAAGGATGGCAAGCTTACCAAGGAGGAG
ATCGTTGACAAGTATGACTTATTTGTTGGCAGCCAGGCCACAGATTTTGGGGAGGCTTAGTACGGCAT
GATGAGTTCGA
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Restriction Sites: SgfI-MluI

Plasmid Map:



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ACCN:	NM_001199674
Insert Size:	495 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:	<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_001199674.1</u>
RefSeq Size:	4940 bp
RefSeq ORF:	495 bp
Locus ID:	813
Cytogenetics:	7q32.1
Protein Families:	Secreted Protein
MW:	19.5 kDa
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 (6) lacks two consecutive exons in the 5' region, resulting in a downstream AUG start codon, compared to variant 1. The resulting isoform (f) has a shorter N-terminus, compared to isoform a.</p>