

Product datasheet for SC303864

SCGN (NM_006998) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCGN (NM_006998) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCGN
Synonyms:	CALBL; DJ501N12.8; SECRET; SEGN; setagin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303864 representing NM_006998. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACAGCTCCCGGAACCGACTCTGGGGCGCTTGGACGCCGCTGGCTTCTGGCAGGTCTGGCAGCGC
TTTGATGCGGATGAAAAAGGTTACATAGAAGAGAAGGAACTCGATGCTTTCTTTCCACATGTTGATG
AAACTGGTACTGATGACACGGTCATGAAAGCAAATTTGCACAAGGTGAAACAGCAGTTTATGACTACC
CAAGATGCCTCTAAAGATGGTCGCATTCGGATGAAAGAGCTTGTGGTATGTTCTTATCTGAGGATGAA
AACTTTCTCTGCTCTTTCGCCGGGAAAACCCACTGGACAGCAGCGTGGAGTTTATGCAGATTTGGCGC
AAATATGACGCTGACAGCAGTGGCTTTATATCAGCTGCTGAGCTCCGCACTTCCCTCCGAGACCTTTT
CTTCACCACAAAAAGGCCATTTCTGAGGCTAAACTGGAAGAATACACTGGCACCATGATGAAGATTTT
GACAGAAATAAAGATGGTCGGTTGGATCTAAATGACTTAGCAAGGATTCTGGCTCTTCAGAAAACCTTC
CTTCTCCAATTTAAAATGGATGCTTGTCTACTGAAGAAAGGAAAAGGGACTTTGAGAAAATCTTTGCC
TACTATGATGTTAGTAAACAGGAGCCCTGGAAGGCCAGAAAGTGGATGGGTTTGTCAAAGACATGATG
GAGCTTGTCCAGCCAGCATCAGCGGGTGGACCTTGATAAGTTCCGCGAGATTCTCCTGCGTCACTGC
GACGTGAACAAGGATGAAAAATTCAGAAGTCTGAGCTGGCTTTGTGCTTGGGCTGAAAATCAACCCA
TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_006998
Insert Size:	831 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:	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:	<u>NM_006998.3</u>
RefSeq Size:	1492 bp
RefSeq ORF:	831 bp
Locus ID:	10590
UniProt ID:	<u>O76038</u>
Cytogenetics:	6p22.2
MW:	32 kDa
Gene Summary:	The encoded protein is a secreted calcium-binding protein which is found in the cytoplasm. It is related to calbindin D-28K and calretinin. This protein is thought to be involved in KCL-stimulated calcium flux and cell proliferation. [provided by RefSeq, Jul 2008]