

Product datasheet for **SC316529**

SGCE (NM_001099401) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SGCE (NM_001099401) Human Untagged Clone
Tag:	Tag Free
Symbol:	SGCE
Synonyms:	DYT11; epsilon-SG; ESG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001099401 edited
 CCTAGCCAGGCCAAGAATGCAATTGCCCCGGTGGTGGGAGCTGGGAGACCCCTGTGCTTG
 GACGGGACAGGGTCGGGGGACACGCAGGATGAGCCCCGCGACCACTGGCACCATTCTTGCT
 GACAGTGTACAGTATTTTCTCCAAGGTACACTCCGATCGGAATGTATACCCATCAGCAGG
 TGTCTCTTTGTTTCATGTTTTGGAAAGAGAATATTTAAGGGGGAATTTCCACCTTACCC
 AAAACCTGGCGAGATTAGTAATGATCCCATAACATTTAATACAAATTTAATGGGTACCC
 AGACCGACTGGATGGCTTCGATATATCCAAGGACACCATATAGTGATGGAGTCCCTATA
 TGGGTCCCAACAGCTGAAAATGTGGGAAGCCAACAATCATTGAGATAACTGCCTACAA
 CAGGCGCACCTTTGAGACTGCAAGGCATAATTTGATAATTAATATAATGTCTGCAGAAGA
 CTTCCCGTTGCCATATCAAGCAGAATTCTTCATTAAGAATATGAATGTAGAAGAAATGTT
 GGCCAGTGAGGTTCTTGGAGACTTTCTTGGCGCAGTGAAAAATGTGTGGCAGCCAGAGCG
 CCTGAACGCCATAAACATCACATCGGCCCTAGACAGGGGTGCCAGGGTGCCACTTCCCAT
 TAATGACCTGAAGGAGGGCGTTTATGTCATGGTGGTGCAGATGTCCCGTTTTCTCTTG
 TTTACGAGAAGTTGAAAATCCACAGAATCAATTGAGATGTAGTCAAGAAATGGAGCCTGT
 AATAACATGTGATAAAAAATTTCTACTCAATTTTACATTGACTGGTGCAAAATTTTCATT
 GGTTGATAAAAACAAAGCAAGTGTCCACCTATCAGGAAGTGATTCTGTGGAGAGGGGATTTT
 ACCTGATGGTGGAGAATACAAACCCCTTCTGATTCTTTGAAAAGCAGAGACTATTACAC
 GGATTTCCTAATTACACTGGCTGTGCCCTCGGCAGTGGCACTGGTCTTTTTCTAATACT
 TGCTTATATCATGTGCTGCCGACGGGAAGGCGTGGAAAAGAGAAACATGCAAAACACCAGA
 CATCCAAGTGGTCCATCACAGTGCTATTCAGAAATCTACCAAGGAGCTTCGAGACATGTC
 CAAGAATAGAGAGATAGCATGGCCCTGTCAACGCTTCTGTGTTCCACCCTGTGACTGG
 GAAAATCATACCTCCTTTACACACAGACAACATGATAGCACAAAACATGCCATTGATGCA
 AACGCAGCAATGGAGTTTCGCTCCTGTTGCCAGGCTGGAGTGCATGGAGCGATCTTGG
 CTCACTGCAGCCTCCGCCTCCAGGAACCTGCCACATCAGACTCAGATTCCCCAACAGCA
 GACTACAGGTAATGGTATCCCTGAAGAAAGAAAACACTGACTGAAGCAATGAATTTATAAT
 CAGACAATATAGCAGTTACATCMCATTTTTTTTTCTTCCAATAATGCATGAGCTTTTCT
 GGCATATGTTATGCATGTTGGCAGTATTAAGTGTATACCAATAATACAACATAACTTTC
 ATTTTACTAATGTATTTTTTTGACTTAAAGCATTTTTGACAATTTGAAAACATTGATG
 ACTTTATATTTGTACAATAAAAGTTGATTTTTAAAATAAATATTATTAATGAAGCCTTA
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM_001099401
- Insert Size:** 1700 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).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001099401.1.
- 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_001099401.1, NP_001092871.1</u>
RefSeq Size:	1784 bp
RefSeq ORF:	1389 bp
Locus ID:	8910
UniProt ID:	<u>O43556</u>
Cytogenetics:	7q21.3
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes the epsilon member of the sarcoglycan family. Sarcoglycans are transmembrane proteins that are components of the dystrophin-glycoprotein complex, which link the actin cytoskeleton to the extracellular matrix. Unlike other family members which are predominantly expressed in striated muscle, the epsilon sarcoglycan is more broadly expressed. Mutations in this gene are associated with myoclonus-dystonia syndrome. This gene is imprinted, with preferential expression from the paternal allele. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A pseudogene associated with this gene is located on chromosome 2. [provided by RefSeq, Oct 2016]</p> <p>Transcript Variant: This variant (1) lacks an alternate in-frame exon in the 5' coding region and contains an additional in-frame exon in the 3' coding region, compared to variant 5. It encodes isoform 1, which shares the same termini, but is shorter than isoform 5.</p>