

Product datasheet for **SC317470**

SGCZ (NM_139167) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SGCZ (NM_139167) Human Untagged Clone
Tag:	Tag Free
Symbol:	SGCZ
Synonyms:	ZSG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317470 representing NM_139167. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
 ATGGACAGATCAACGAACCTGGACATTGAGGAGCTCAAGATGACACGAGAACAATACATACTAGCAACC
 CAACAGAATAACCTGCCAAGGACTGAGAATGCACAACCTTACCCAGTGGGAATTTATGGATGGCGAAAG
 AGGTGCTTATACTTCTTTGCTCTGCTGTTGGTTACCATGATAGTTAACTTAGCCATGACAATATGG
 ATATTGAAAGTTATGAATTTCACTGTGGATGGTATGGGAAATCTGAGAGTCACCAAGAAGGGAATCCGA
 CTTGAAGGTATATCTGAGTTTCTACTTCCATTGTATGTGAAAGAAATTCATTCTCGAAAGGATAGTCCG
 CTGGTCTTACAGTCTGACAGGAATGTACAGTGAATGCAAGAAATCACATGGGGCAGTTAACCGGACAG
 CTGACCATAGGAGCTGATGCTGTGGAAGCTCAGTGTAAGATTTGAAGTGAGAGCCAGTGAAGATGGC
 AGGGTGCTGTTTTCTGCAGATGAAGATGAGATTACCATTTGGGGCTGAAAAGCTGAAAAGTTACAGGCACT
 GAAGGAGCCGTATTTGGGCACTCTGTGGAGACGCCGCACATCAGAGCAGAGCCATCCCAAGATCTCAGG
 CTTGAATCACCCACCAGATCCTTGATCATGGAAGCTCCCGTGGGGTCCAGGTGAGTGCTGCTGCAGGA
 GACTTCAAGGCCACCTGCAGGAAGGAGCTCCATCTGCAATCTACAGAAGGGGAGATATTTTAAATGCA
 GAGACAATCAAGCTGGGAAATCTACCAACTGGCTCCTTCTCATCTTCTTACCCAGCTCCTCAAGTTCT
 CGACAGACAGTGTATGAATCTGCGTCTGCCCAATGGCAAACCTTACCTTTCTCCAGCAGGAGTAGGT
 TCCACTTGTCACTCCAGTAGCAACATCTGCCTGTGGAGC**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_139167
Insert Size:	939 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:	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_139167.3
RefSeq Size:	7212 bp
RefSeq ORF:	939 bp
Locus ID:	137868
UniProt ID:	Q96LD1
Cytogenetics:	8p22
Protein Families:	Transmembrane
MW:	34.5 kDa
Gene Summary:	The zeta-sarcoglycan gene measures over 465 kb and localizes to 8p22. This protein is part of the sarcoglycan complex, a group of 6 proteins. The sarcoglycans are all N-glycosylated transmembrane proteins with a short intra-cellular domain, a single transmembrane region and a large extra-cellular domain containing a carboxyl-terminal cluster with several conserved cysteine residues. The sarcoglycan complex is part of the dystrophin-associated glycoprotein complex (DGC), which bridges the inner cytoskeleton and the extra-cellular matrix. [provided by RefSeq, Jul 2008]