

## Product datasheet for **SC329597**

### SH3 containing Grb 2 like 1 protein (SH3GL1) (NM\_001199943) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SH3 containing Grb 2 like 1 protein (SH3GL1) (NM_001199943) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH3GL1
Synonyms:	CNSA1; EEN; SH3D2B; SH3P8
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329597 representing NM_001199943. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCGGTGGCGGGCTGAAGAAGCAGTTCTACAAGGCGAGCCAGCTGGTCAGTGAGAAGGTCGGAGGG
GCCGAGGGACCAAGCTGGATGATGACTTCAAAGAGATGGAGAAGAAGGTGGATGTACCAGCAAGGCG
GTGACAGAAGTGCTGGCCAGGACCATCGAGTACCTGCAGCCCAACCCAGGTGACGCATTGCTGGATGCC
GGCGAGTCCATGAAGCGCCTGGCAGAGGTGAAGGACTCCCTGGACATCGAGGTCAAGCAGAACTTCATT
GACCCCTCCAGAACCTGTGCGAGAAAGACCTGAAGGAGATCCAGCACCCCTGAAGAACTGGAGGGC
CGCCGCTGGACTTTGACTACAAGAAGAAGCGGCAGGGCAAGATCCCCGATGAGGAGCTACGCCAGGCG
CTGGAGAAGTTCGAGGAGTCCAAGGAGGTGGCAGAAACAGCATGCACAACCTCCTGGAGACTGACATC
GAGCAGGTGAGTCAGCTCTCGGCCCTGGTGGATGCACAGCTGGACTACCACCGGCAGGCCGTGCAGATC
CTGGACGAGCTGGCGGAGAAGCTCAAGCGCAGGATGCGGGAAGCTTCTCACGCCCTAAGCGGGAGTAT
AAGCCCAAGCCCCGGGAGCCCTTTGACCTTGAGAGCCTGAGCAGTCCAACGGGGGCTTCCCCTGCACC
ACAGCCCCAAGATCGCAGCTTCATCGTCTTCCGATCTCCGACAAGCCATCCGGACCCCTAGCCGG
AGCATGCCGCCCTGGACCAGCCGAGCTGCAAGGCGGTACGACTTCGAGCCCGAGAACGACGGGGAG
CTGGGCTTCCATGAGGGCGACGTCATCACGCTGACCAACCAGATCGATGAGAAGTGGTACGAGGGCATG
CTGGACGGCCAGTCGGGCTTCTCCCGCTCAGCTACGTGGAGGTGCTTGTGCCCTGCCGAGTGA

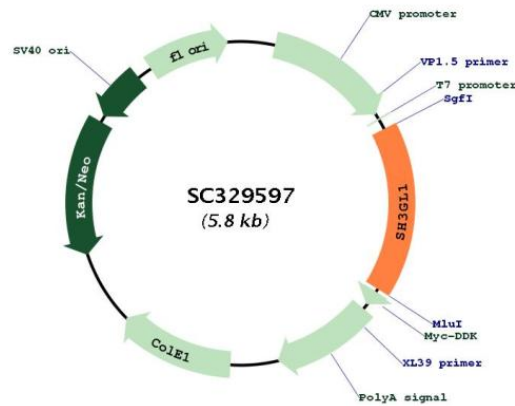
```

Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM\_001199943

Insert Size: 963 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:

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\\_001199943.1](#)

RefSeq Size: 2415 bp

RefSeq ORF: 963 bp

Locus ID: 6455

UniProt ID: [Q99961](#)

Cytogenetics: 19p13.3

Protein Families: Druggable Genome

Protein Pathways: Endocytosis

MW: 36.3 kDa

**Gene Summary:** This gene encodes a member of the endophilin family of Src homology 3 domain-containing proteins. The encoded protein is involved in endocytosis and may also play a role in the cell cycle. Overexpression of this gene may play a role in leukemogenesis, and the encoded protein has been implicated in acute myeloid leukemia as a fusion partner of the myeloid-lymphoid leukemia protein. Pseudogenes of this gene are located on the long arm of chromosomes 11 and 17. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]  
Transcript Variant: This variant (2) lacks an exon in the coding region but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.