

## Product datasheet for RC232473

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SH3 containing Grb 2 like 1 protein (SH3GL1) (NM_001199943) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SH3GL1
Synonyms:	CNSA1; EEN; SH3D2B; SH3P8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232473 representing NM_001199943 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCGGTGGCGGGCTGAAGAAGCAGTTCTACAAGCGAGCCAGCTGGTCAGTGAGAAGGTCGGAGGGG  
CCGAGGGGACCAAGCTGGATGATGACTTCAAAGAGATGGAGAAGAAGGTGGATGTCACCAGCAAGGCGGT  
GACAGAAGTGCTGGCCAGGACCATCGAGTACCTGCAGCCCAACCCAGGTGACGCATTGCTGGATGCCGGC  
GAGTCCATGAAGCGCCTGGCAGAGGTGAAGGACTCCCTGGACATCGAGGTCAAGCAGAATTCATTGACC  
CCCTCCAGAACCTGTGCGAGAAAGACCTGAAGGAGATCCAGCACCACTGAAGAACTGGAGGGCCGCCG  
CCTGGACTTTGACTACAAGAAGAAGCGGCAGGGCAAGATCCCCGATGAGGAGCTACGCCAGGCGCTGGAG  
AAGTTCGAGGAGTCCAAGGAGGTGGCAGAAACCAGCATGCACAACCTCCTGGAGACTGACATCGAGCAGG  
TGAGTCAGCTCTCGGCCCTGGTGGATGCACAGCTGGACTACCACCGGCAGGCCGTGCAGATCCTGGACGA  
GCTGGCGGAGAAGCTCAAGCGCAGGATGCGGGAAGCTTCCCTCACGCCCTAAGCGGGAGTATAAGCCCAAG  
CCCCGGGAGCCCTTTGACCTTGGAGAGCCTGAGCAGTCCAACGGGGCTTCCCTGCACCACAGCCCCCA  
AGATCGCAGCTTCATCGTCTTTCCGATCTCCGACAAGCCATCCGGACCCTAGCCGGAGCATGCCGCC  
CCTGGACCAGCCGAGCTGCAAGGCCTGTACGACTTCGAGCCCGAGAACGACGGGGAGCTGGGCTTCCAT  
GAGGGCGACGTCATCACGCTGACCAACCAGATCGATGAGAAGTGTACGAGGGCATGCTGGACGCCAGT  
CGGGCTTCTTCCGCTCAGCTACGTGGAGGTGCTTGTGCCCTGCCGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232473 representing NM\_001199943  
 Red=Cloning site Green=Tags(s)

MSVAGLKKQFYKASQLVSEKVGGAEGTKLDDDFKEMEKKVDVTSKAVTEVLARTIEYLQPNPGDALLDAG  
 ESMKRLAEVKDSL DIEVKQNFIDPLQNLCEKDLKEIQHHLKLEGRRLDFDYKKRQGGKIPDEELRQALE  
 KFEESEKVAETS MHNLETDIEQVSQLSALVDAQLDYHRQAVQILDELAEKLRMRREASSRPKREYKPK  
 PREPFDLGEPEQSNNGFPCTTAPKIAASSFRSSDKPIRTPSRSMPLDQPSCKALYDFEPENDGELGFH  
 EGDVITL TNQIDENWYEGMLDGQSGFFPLSYVEVLVPLPQ

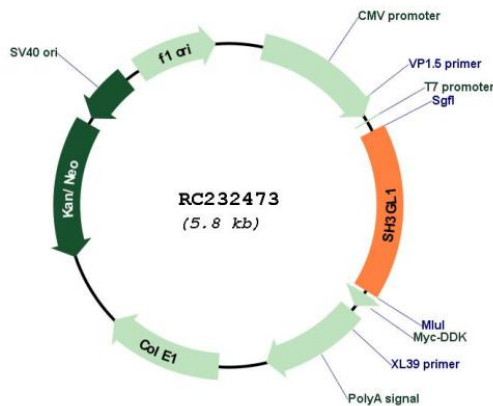
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001199943

**ORF Size:** 960 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001199943.2</a>
<b>RefSeq Size:</b>	2415 bp
<b>RefSeq ORF:</b>	963 bp
<b>Locus ID:</b>	6455
<b>UniProt ID:</b>	<a href="#">Q99961</a>
<b>Cytogenetics:</b>	19p13.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Endocytosis
<b>MW:</b>	36.8 kDa
<b>Gene Summary:</b>	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]