

Product datasheet for **RG201552**

SH3 containing Grb 2 like 1 protein (SH3GL1) (NM_003025) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3 containing Grb 2 like 1 protein (SH3GL1) (NM_003025) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SH3 containing Grb 2 like 1 protein
Synonyms:	CNSA1; EEN; SH3D2B; SH3P8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201552 representing NM_003025 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGTGGCGGGGCTGAAGAAGCAGTTCTACAAGGCGAGCCAGCTGGTCAGTGAGAAGGTCGGAGGGG
CCGAGGGGACCAAGCTGGATGATGACTTCAAAGAGATGGAGAAGAAGGTGGATGTCACCAGCAAGGCGGT
GACAGAAGTGCTGGCCAGGACCATCGAGTACCTGCAGCCCAACCCAGCCTCGCGGGCTAAGCTGACCATG
CTCAACACGGTGTCCAAGATCCGGGGCCAGGTGAAGAACCCCGGTACCCGCAGTCGGAGGGGCTTCTGG
GCGAGTGCATGATCCGCCACGGGAAGGAGCTGGGCGGCGAGTCCAACCTTGGTGACGCATTGCTGGATGC
CGCGAGTCCATGAAGCGCCTGGCAGAGGTGAAGGACTCCCTGGACATCGAGGTCAAGCAGAACTTCATT
GACCCCTCCAGAACCTGTGCGAGAAAGACCTGAAGGAGATCCAGCACCCCTGAAGAACTGGAGGGCC
GCCGCTGGACTTTGACTACAAGAAGAAGCGGCAGGGCAAGATCCCCGATGAGGAGCTACGCCAGGCGCT
GGAGAAGTTCGAGGAGTCCAAGGAGGTGGCAGAAACCAGCATGCACAACCTCCTGGAGACTGACATCGAG
CAGGTGAGTCAGCTCTCGGCCCTGGTGGATGCACAGCTGGACTACCACGGCAGGCCGTGCAGATCCTGG
ACGAGCTGGCGGAGAAGCTCAAGCGCAGGATGCGGGAAGCTTCTCACGCCCTAAGCGGGAGTATAAGCC
GAAGCCCCGGGAGCCCTTTGACCTTGGAGAGCCTGAGCAGTCCAACGGGGGCTTCCCCTGCACCACAGCC
CCCAAGATCGCAGCTTTCATCGTCTTCCGATCTCCGACAAGCCATCCGGACCCCTAGCCGGAGCATGC
CGCCCTGGACCAGCCGAGCTGCAAGGCGCTGTACGACTTCGAGCCCGAGAACGACGGGGAGCTGGGCTT
CCATGAGGGCGACGTCATCACGCTGACCAACCAGATCGATGAGAAGTGGTACGAGGGCATGCTGGACGGC
CAGTCGGCTTCTCCGCTCAGCTACGTGGAGGTGCTTGTGCCCTGCCGAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201552 representing NM_003025
 Red=Cloning site Green=Tags(s)

MSVAGLKKQFYKASQLVSEKVGGAEGTKLDDDFKEMEKKVDVTSKAVTEVLARTIEYLQPNPASRAKLTMLNTVSKIRGQVKNPGYPQSEGLLGECMIRHGKELGGESNFGDALLDAGESMKRLAEVKDSLIDIEVKQNFIDPLQNLCEKDLKEIQHHLKKLEGRRLDFDYKKKRQGKIPDEELRQALEKFESKEVAETSMMHNLLETDIEQVSQLSALVDAQLDYHRQAVQIILDELAEKLRMRREASSRPKREYKPKPREPFDLGEPEQSNNGGFPCTTAPKIAASSFRSSDKPIRTPSRSMPPLDQPSCKALYDFEPENDGELGFHEGDVITLTNQIDENWYEGMLDGQSGFFPLSYVEVLVPLPQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003025

ORF Size: 1104 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_003025.2](#), [NP_003016.1](#)

RefSeq Size: 2460 bp

RefSeq ORF: 1107 bp

Locus ID: 6455

UniProt ID: [Q99961](#)

Cytogenetics: 19p13.3

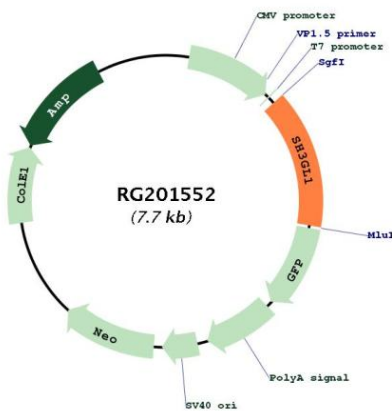
Domains: SH3, BAR

Protein Families: Druggable Genome

Protein Pathways: Endocytosis

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]

Product images:



Circular map for RG201552