

Product datasheet for **RG237118**

SH3GL3 (NM_001301108) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3GL3 (NM_001301108) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SH3GL3
Synonyms:	CNSA3; EEN-B2; HsT19371; SH3D2C; SH3P13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237118 representing NM_001301108. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGAACACTGTGTCGAAGATCCGAGGGCAGGTGAAGACCACAGGATACCCGCAGACGGAAGGCTTG
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GAAGTTGGTGAATCCATGAAGCTAATGGCTGAGGTGAAAGACTCTCTTGATTAATGTAAGCAAACCTG
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GAAGGCCCGCCCTGGATTACGATTATAAAAAGAAACGAGTAGGTAAGATACCAGACGAAGAAGTCAGA
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AAGACGACAGGTTCTAACATTCATGGACCAGCCCTGCTGTCGTGGTCTCTATGACTTTGAGCCAGAA
AACCAAGGAGAATTAGGATTTAAAGAAGGGGACATCATTACATTAACCAATCAAATAGATGAAAACCTGG
TATGAAGGAATGATACACGGAGAATCGGGATTCTCCCCATTAATTACGTGGAAGTGATCGTGCCTTTA
CCTCAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237118
 Blue=ORF Red=Cloning site Green=Tag(s)

MLNTVSKIRGQVKTGTGYPQTEGLLGDCMLKYGKELGEDSTFGNALIEVGESMKLMAEVKDSL DINVKQT
 FIDPLQLLQDKDLKEIGHHLKKLEGRRLDYDKKKRVGKIPDEEVRQAVEKFEESKELAERSMFNFLEN
 DVEQVSQLAVFIEAALDYHRQSTEILQELQSKLQMRISAASSVPRREYKPRPVKRSSSELNGVSTTSVV
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 PQ

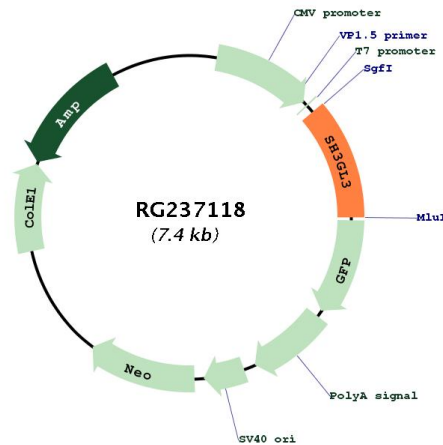
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001301108

ORF Size:	834 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).
RefSeq:	NM_001301108.1 , NP_001288037.1
RefSeq Size:	1836 bp
RefSeq ORF:	837 bp
Locus ID:	6457
UniProt ID:	Q99963
Cytogenetics:	15q25.2
Protein Pathways:	Endocytosis
MW:	32 kDa
Gene Summary:	Implicated in endocytosis. May recruit other proteins to membranes with high curvature (By similarity).[UniProtKB/Swiss-Prot Function]