

## Product datasheet for **MR205237**

### Sh3gl3 (NM\_017400) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3gl3 (NM_017400) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sh3gl3
Synonyms:	EEN-B2; Sh3d2c; Sh3d2c2; SH3P13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205237 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTCGGTGGCTGGGCTCAAGAAGCAGTCCACAAAGCCAGCCAGCTGTTAGTGAAAAATAAGTGGTGC  
CCGAAGGAACGAAGCTAGATGAAGAATTTCTGAACATGGAAAAGAAAATAGATATCACCAGTAAAGCTGT  
TGCAGAAATCCTTTCAAAGCCACAGAGTATCTCCAACCAATCCAGCATACAGAGCTAAGCTAGGAATG  
CTGAACACTGTGTCGAAGCTCCGAGGGCAGGTGAAGGCCACCGGTACCCACAGACGGAAGGCTTGCTGG  
GGGACTGCATGCTGAAGTATGGCAAGGAGCTCGGAGAAGACTCTGCTTTGGCAACTCGTTGGTAGATGT  
TGGTGAGGCCCTGAAACTCATGGCTGAGGTGAAAGACTCTCTGGATTAATGTGAAGCAAACCTTTTATT  
GACCCACTGCAGCTACTGCAAGCAAAGATTTAAAGGAGATCGGGCACCCCTGAGAAAAGCTGGAAGGCC  
GTCGCCTGGATTATGATTATAAAAAGCGCGGGTAGGTAAAGATCCCCGAGGAAGAAATCAGACAAGCAGT  
AGAGAAGTTTGAAGAGTCAAAGGAGTTGGCCGAAAGGAGCATGTTAATTTTTAGAAAAATGATGTAGAG  
CAAGTGAGCCAGCTGGCTGTGTTGTAGAGGGCATTAGACTATCACAGGCAGTCCACAGAGATCCTCC  
AGGAGCTGCAGAGCAAGCTGGAGTTGCGAATATCTCTTGCATCCAAGTCCCCAAGCGAGAATTCATGCC  
AAAGCCTGTGAACATGAGTTCACCGATGCCAATGGGGTCGACCCAGCTCTTCATCAAAGACACCAGGT  
ACTGACACTCCCTCGGACCAGCCCTGCTGTCGTGGTCTCTATGACTTTGAGCCAGAAAATGAAGGAGAAT  
TAGGATTTAAAGAAGGGACATCATTACATTAACCAATCAGATAGATGAAAAGTGGTATGAAGGGATGCT  
TCGTGGGAATCCGGCTTCTTCCCATAATTACGTGGAAGTCATTGTGCCTTTACCTCCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205237 protein sequence  
Red=Cloning site Green=Tags(s)

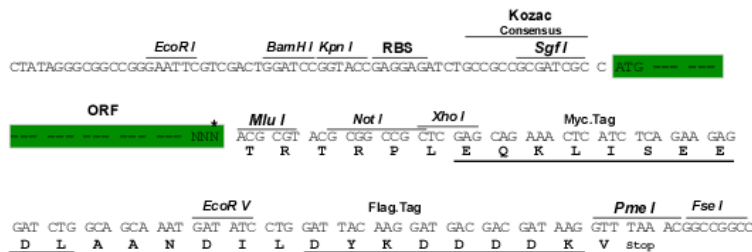
MSVAGLKKQFHKASQLFSEKISGAEGTKLDEEFLNMEKKIDITSKAVAEILSKATEYLQPNPAYRAKLGMLNTVSKLRGQVKATGYPQTEGLLGDCMLKYGKELGEDSAFGNSLVDVGEALKLMAEVKDSLIDINVKQTFIDPLQLLQDKDLKEIGHHLRKLEGRRLDYDKRRVVGKIPPEEIRQAVEKFEESKELAERSMFNFLENDVEQVSQLAVFVEAALDYHRQSTEILQELQSKLELRISLASKVPKREFMPKPVNMSSTDANGVGPSSSSKTPGTDTPSDQPCCRGLYDFEPENEGELGFKEGDIITLTNQIDENWYEGMLRGESGFFPINYVEVIVPLPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_017400

**ORF Size:** 1044 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\\_017400.1](#), [NM\\_017400.3](#), [NM\\_017400.4](#), [NM\\_017400.5](#), [NM\\_017400.6](#), [NP\\_059096.3](#)

**RefSeq Size:** 1648 bp

**RefSeq ORF:** 1044 bp

**Locus ID:** 20408

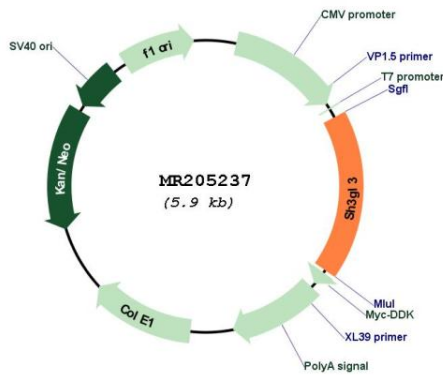
**UniProt ID:** [Q62421](#)

**Cytogenetics:** 7 47.15 cM

**MW:** 39 kDa

**Gene Summary:** Implicated in endocytosis. May recruit other proteins to membranes with high curvature (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR205237