

## Product datasheet for **RR216451**

### Sh3gl2 (NM\_053935) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sh3gl2 (NM\_053935) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Sh3gl2  
**Synonyms:** Sh3d2a; Sh3p4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216451 representing NM\_053935  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCGGTGGCAGGGCTGAAGAAGCAGTCCACAAAGCCACTCAGAAAGTGAGTGAGAAGGTGGGAGGAG  
CCGAAGGCACCAAGCTCGATGATGACTTCAAAGAGATGGAGAGGAAAGTGATGTTACCAGCAGGGCCGT  
GATGGAGATAATGACGAAAACAATTGAATACCTCCAACCAATCCAGCTTCCAGGGCTAACTCAGTATG  
ATCAACACCATGTCGAAAATCCGTGGCCAAGAGAAGGGGCCAGGCTATCTCAGGCAGAAGCACTGCTGG  
CAGAGGCTATGCTCAAGTTCGGCAGGGAGCTCGGCGATGATTGCAACTTTGGTCCGGCTCTTGGTGAGGT  
AGGAGAAGCCATGAGGGAGCTCTCGGAGGTCAAGGACTCTTTGGACATGGAAGTGAAGCAGAAGTTCATC  
GACCCCTTCAGAATCTTCATGACAAAGATCTGAGGGAGATTCAGCATCACCTGAAAAAGCTGGAAGGCC  
GACGCTTAGACTTTGATTATAAGAAGAAGCGACAAGGAAAGATTCAGACGAAGAAGTCCGCAAGCTCT  
GGAGAAATTTGATGAGTCTAAAGAAATCGCTGAGTCGAGCATGTTCAACCTCTTGGAGATGGATATTGAA  
CAGGTGAGCCAGCTCTCTGCACCTGTTTCAGGCTCAGCTGGAGTACCACAAACAGGCTGTGCAGATCTGCG  
AACAGTCACTGTCAGGCTGGAAGAGAGAATAAGACAAGCTTCACTCAACCAAGAAGGGAATATCAGCC  
CAAACCAGCAATGAGCCTAGAGTTTGCCACTGGAGACGGTACGCAGCCCAACGGGGTCTCTCCACACA  
GGCACACCCAAACCTGCAGGTGTCCAAATGGATCAGCCTTGCTGCCGAGCCCTGTATGACTTTGAACCTG  
AAAATGAAGGGGAGTTGGGTTTTAAAGAGGGTGATATCATCACGCTCACTAATCAGATTGATGAGAACTG  
GTATGAGGGGATGCTTCATGGCCAGTCCGGCTTTTCCCATCAACTATGTAGAAATTCTGGTTGCTCTG  
CCCCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216451 representing NM\_053935  
 Red=Cloning site Green=Tags(s)

MSVAGLKKQFHKATQKVSEKVGGAEGTKLDDDFKEMERKVDVTSRAVMEIMTKTIEYLQPNPASRAKLSM  
 INTMSKIRGQEKGPYPQAEALLAEAMLKFGRELGDCCNF GPALGEVGEAMRELSEVKDSLDMEVKQNF I  
 DPLQNLHDKDLREIQHHLKKLEGRRLDFDYKKRQGGKIPDEELRQALEKFDESKEIAESSMFLLEMDIE  
 QVSQLSALVQAQLEYHKQAVQIILQQVTVRLEERIRQASSQPRREYQPKPRMSLEFATGDGTQPNGGLSHT  
 GTPKPAQVQMDQPCCRALYDFEPENEGELGFKEGDIITLTNQIDENWYEGMLHGQSGFFPINYVEILVAL  
 PH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

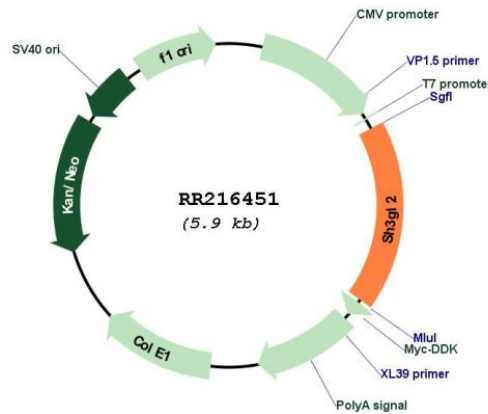
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_053935

<b>ORF Size:</b>	1056 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_053935.1</a> , <a href="#">NP_446387.1</a>
<b>RefSeq Size:</b>	1491 bp
<b>RefSeq ORF:</b>	1059 bp
<b>Locus ID:</b>	116743
<b>UniProt ID:</b>	<a href="#">O35179</a>
<b>Cytogenetics:</b>	5q31
<b>MW:</b>	39.9 kDa
<b>Gene Summary:</b>	interacts with synaptojanin and dynamin I; may be involved in synaptic vesicle recycling [RGD, Feb 2006]