

Product datasheet for **RR212198**

Stx16 (NM_001108610) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stx16 (NM_001108610) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Stx16
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212198 representing NM_001108610
Red=Cloning site Blue=ORF Green=Tags(s)

```
TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC
```

```
ATGAAAAACCGAGAGGAAAGATCGCAGCATTTCTTCGACACCCCGGTACCACTAATGGATGATGGAGATG  
ATGCTACTCTGTATGGTCAGGGTTTCACGGATGACCAGCTGGTGCCTGGTGGAGCAGAACACACTGGTGGT  
GGAGGAGAGGGGAGCAGAGATCCGTCAGATTGTACAGTCCATTTACAGACCTCAACGAAATCTTCAGGGAC  
TTGGGCGCCATGATCGTGGAGCAGGGCACAGTCCTTGATCGAATTGACTATAATGTTGAACAATCCTGTG  
TTAAGACCGAAGATGGCTTGAAGCAACTGCACAAGGCAGAGCAGTACCAGAAGAAGAACAGGAAGATGCT  
TGTGATCTTGATACTTGTGGCCGTCATCGTCGTCCTCATTGTGGTCTCATCGCTGTTAAGTCTCGC
```

```
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence: >RR212198 representing NM_001108610
Red=Cloning site Green=Tags(s)

```
MKNREERSQHFFDTPVPLMDDGDDATLYQGFTDDQLVLVEQNTLVVEEREREIRQIVQSISDLNEIFRD  
LGAMIVEQGTVLDRIDYVVEQSCVKTEDGLKQLHKAQYQKKNRMLVILILVAVIVVLIIVVLIIVKSR
```

```
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Restriction Sites: SgfI-MluI



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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:	<ol style="list-style-type: none">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:	<u>NM_001108610.1</u> , <u>NP_001102080.1</u>
RefSeq Size:	2581 bp
RefSeq ORF:	420 bp
Locus ID:	362283
Cytogenetics:	3q43
MW:	16 kDa