

## Product datasheet for **RR209311**

### Stx8 (NM\_031656) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stx8 (NM\_031656) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Stx8  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209311 representing NM\_031656  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCCCAGACCCTGGTTCTCCACGTACGATTCTACTTGTGAGATTGCCAAGAAATCGCTGAGAAGA  
 TTCAAGAACGAAATCAGTGTGAAAGAAGAGGTGAGAAGACACCTAAGCTTACCCTGACAATCAGAATTT  
 GTTGAAGAATCTGAAGGTAAGATCGACCTCTTGAAGACTTACTTCTAAGAGCTGTGTCGACGCGCCAG  
 ATAACACAACCTGGAGGGGATCGAAGACAGAACCTTCTGGATGATCTTGTCAACCGAGAGAGACTGCTCC  
 TGGCATCGTTTAAGAATGAGGGTCCGAGCCGGATTTGATCAGGTCCAGCCTGATGAGTGAAGAAGCAAA  
 GCGAGGAACTCCCAACCTTGGCTCTGTGAGGAGCCGGAGGAGACCAGAGGCTTGGGTTTCGATGAGATC  
 CGGCAACAGCAGCAGAAAATTATCAAGAACAGGACGCAGGTCTTATGATGCCCTTCTCTATCATAAGTC  
 GCCAAAAGCAAATGGGCCAGGAGATTGGGAATGAACTGGACGAACAGACGATCATCGATGACCTTGC  
 CAACCTGGTGGAGAACACAGATGAGAAGCTTCGCACTGAAGCCAGGCGAGTGACCCTGGTGGACAGAAAG  
 TCAGTTCCTGTGGGATGATAATGGTGATCTTATTGCTGCTCGTGGCTATTGTGGTGGTTGCAGTGTGGC  
 CAACCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR209311 representing NM\_031656  
 Red=Cloning site Green=Tags(s)

MAPDPWFSTYDSTCQIAQEIAEKIQERNQCERRGEKTPKLTLTIRTLLKNLKVKIDLLKDLLLRAVSTRQ  
 ITQLEGDRRQNLDDLVTRERLLLASFKNEGSEPDILRSSLMSEEAKRGTPNPWLCEEPEETRGLGFDEI  
 RQQQQKIIQEIQDAGLDALSSIIISRQKQMGQEIGNELDEQNEIIDDLANLVENTDEKLRTARRVTLVDRK  
 SASCGMIMVILLLLVAIVVVAVWPTN

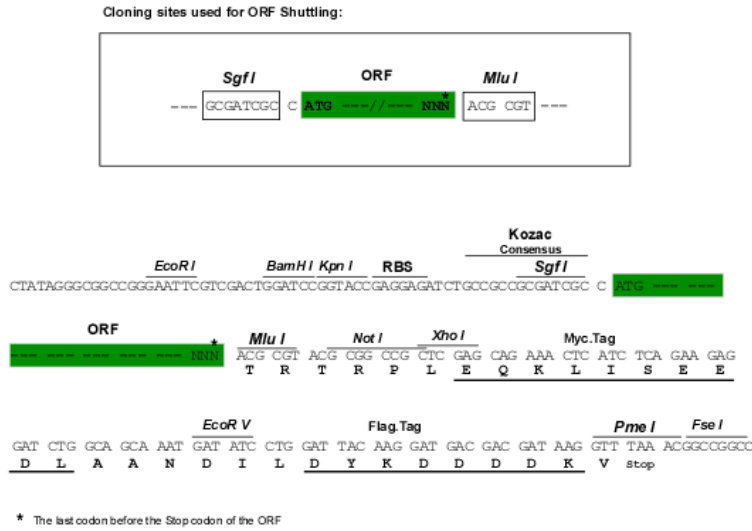
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV



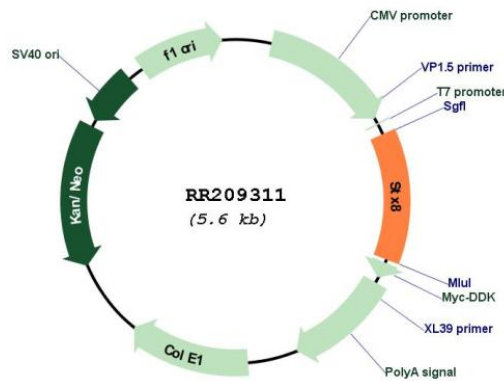
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_031656

ORF Size: 708 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.

<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>	<u><a href="#">NM_031656.2</a></u> , <u><a href="#">NP_113844.1</a></u>
<b>RefSeq Size:</b>	854 bp
<b>RefSeq ORF:</b>	711 bp
<b>Locus ID:</b>	59074
<b>UniProt ID:</b>	<u><a href="#">Q9Z2Q7</a></u>
<b>Cytogenetics:</b>	10q24
<b>MW:</b>	26.9 kDa
<b>Gene Summary:</b>	essential for intracellular membrane fusion [RGD, Feb 2006]