

## Product datasheet for **RR214053**

### Stx3 (NM\_031124) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stx3 (NM\_031124) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Stx3  
**Synonyms:** Stx3a  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR214053 representing NM\_031124  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAGGACCGACTGGAGCAGCTGAAGGCCAAGCAGCTGACGCAGGATGATGACACGGACGAGGTTGAGA  
TTGCTATTGATAATACAGCGTTCATGGATGAGTCTTTTCTGAGATTGAGGAAACGAGGCTCAACATCGA  
CAAGATCTCAGAGCATGTGGAGGAAGCTAAGAACTCTACAGTATCATTCTCTGCACCGATTCCAGAG  
CCAAAAACCAAAGACGACCTTGAACAGCTCACAACCTGAGATCAAGAAAAGGGCCAACAACGTCGGGAACA  
AACTGAAGAGCATGGAGAAGCATATTGAGGAAGACGAGGTCCGGTCATCAGCAGACCTTCGGATACGAAA  
GTCCCAGCACTCCGTCCTCTCCCGGAAGTTGTGGAGGTGATGACAAAAGTACAATGAGGCACAGGTGGAC  
TTCCGTGAACGCAGCAAAGGGCGCATCCAACGGCAGCTTGAAATTAAGGCAAGAAAACAACAGATGAGG  
AGCTGGAAGAAATGTTGGAGAGTGGCAACCCAGCCATCTCACTTCTGGGATCATTGACTCCAGATTTT  
CAAGCAAGCCCTCAGCGAGATTGAGGGTCGGCACAAGGACATCGTGAGGCTGGAGAGCAGCATCAAGGAG  
CTCCATGACATGTTTATGGACATCGCCATGCTGGTGGAGAATCAGGGTGAGATGTTAGATAACATAGAGT  
TGAAATGTCATGCACCGGTGGACCATGTGGAGAAGGCACGGGATGAAACTAAAAGAGCCATGAAGTATCA  
GGGTCAGGCTCGAAAGAAATTGATAATTATCATTGTGATAGTAGTGTGTGTCTGGGCATTTTAGCGTTG  
ATTATTGGATTGTCCGTTGGGCTGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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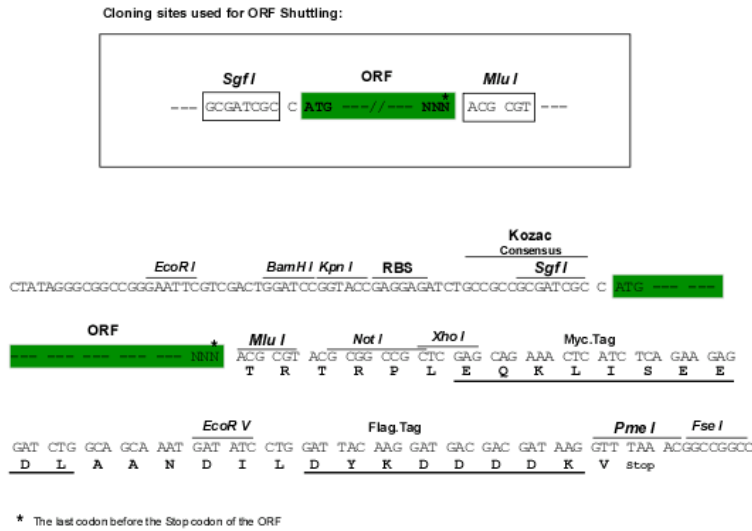
**Protein Sequence:** >RR214053 representing NM\_031124  
 Red=Cloning site Green=Tags(s)

MKDRLEQLKAKQLTQDDDTDEVEIAIDNTAFMDEFFSEIEETRLNIDKISEHVVEAKKLYSIILSAPIPE  
 PKTKDDLEQLTTEIKKRANNVRNKLKSMEKHIEEDEVSSADLRIRKSQHSVLSRKFVEVMTKYNEAQVD  
 FRERSKGRIQRQLEITGKKTDEELEEMLESGNPAIFTSGIIDSQISKQALSEIEGRHKDIVRLESSIKE  
 LHDMFMDIAMLVENQGEMLDNIELNVMHTVDHVEKARDETKRAMKYQGQARKKLI I I I V I V V V L L G I L A L  
 I I G L S V G L K

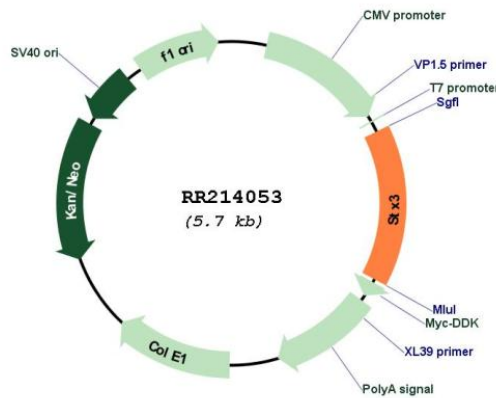
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_031124

**ORF Size:** 867 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_031124.1</a> , <a href="#">NP_112386.1</a>
<b>RefSeq Size:</b>	1054 bp
<b>RefSeq ORF:</b>	870 bp
<b>Locus ID:</b>	81802
<b>UniProt ID:</b>	<a href="#">Q08849</a>
<b>Cytogenetics:</b>	1q43
<b>MW:</b>	33.3 kDa
<b>Gene Summary:</b>	nervous-system specific protein; may be a component of the SNARE complex; involved in docking and fusion of synaptic vesicles to the plasma membrane; crucial for exocytosis in the nervous system [RGD, Feb 2006]