

## Product datasheet for **RN211514**

### Sirt4 (NM\_001107147) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sirt4 (NM\_001107147) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sirt4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN211514 representing NM\_001107147  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGGGTTGATTTTCAGGCCGACAAGGGGCCGTTGGATCACCCAGATGAGCCAGCTGCGTTCATG  
GATCCACAGGGTTATTTGTGCCGCCAGCCCCCTTTGGACCATGAAAAGATCAAAGAGTTACAGCGCTT  
CATTAGCCTTTCCAAGAACTGCTAGTGATGACAGGCGCGGGAATCTCCACCGAGTCCGGGATCCAGAC  
TACAGGTCAGAAAAGGTGGGACTCTACGCCGCACTGACCGGAGACCCATCCAGCACATTGATTTTCATCC  
GCAGTGCTCCGGTTCGCCAGCGCTACTGGGCCGAAACTTTGTGGGCTGGCCTCAGTTCTCCTCTACCA  
GCCCAACCCAGCACACTGGGCTCTGAGCAACTGGGAGAACTTGGGAAGCTGCACTGGTTGGTGACCCAG  
AACGTGGACGCTCTGCATTCCAAGGCTGGGAATCAGCGGTTGACGGAGCTGCACGGATGCATGCACAGGG  
TCCTGTGCTGAGCTGTGGGAGCAGACTGCACGAGGGTGTGCAGGACCGCTTCCAAGCCCTGAACCC  
CAGCTGGAGTGCCGAGGCGCAGGGCGTGGCTCCCAGCGTGACGTGTTCTCACGGAGGAGCAGGTCGG  
AGCTTTCCGGTCCCGTGTGTGATCGATCGGGCGCCCTCTGAAACCCGACGTCGTTTTCTTTGGGGACA  
CGGTGAACCCGACAAGGTTGACTTTGTGCACCAGCGTGTGAAAGAAGCTGACTCGCTGCTGGTGGTGGG  
ATCGTCCCTGCAGGTATACTCCGTTACAGGTTACCTCACCGCCCGGAGAAGAAGCTCCAATCGCC  
ATTCTGAACATCGGACCCACGAGGCTGACGATTTGGCTTGCCCTGAAGCTGGATTCCGCGCTGGAGAGC  
TGCTGCCCTTAATAGACCACAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001107147  
**Insert Size:** 936 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_001107147.1</a></u> , <u><a href="#">NP_001100617.1</a></u>
<b>RefSeq Size:</b>	1641 bp
<b>RefSeq ORF:</b>	936 bp
<b>Locus ID:</b>	304539
<b>Cytogenetics:</b>	12q16