

## Product datasheet for **RN217314**

### **Ect2 (NM\_001108547) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ect2 (NM_001108547) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ect2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN217314 representing NM\_001108547  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGACGACAGTGTGTACCATCTCCTACTGAGATAACTAGCTTGGCAGACACTTCAGTTTTGATT  
 CTAAGTTACAGAAACATCCAAGGAAAACCTTGTGCATGGTGTCTACTTCAAATGTTGACGAAGAAATGCC  
 TCAGGTGGAAGCAAGAGTGGTAGTGGTCCAGGAAGCTGGGAAACAGAGGAGCTCCTAAAGGCCCTAAAG  
 ACTGTTAAGATAATGGAAGTCCCTGTTATAAAGATAAAAAGAAAGTTGTCCTGGGAAATCGGATGAAAAGT  
 TAATAAAAAGTATTATTAATATGGAATTAAGTGCCTGTGTAAGATGGATTCAATGGAAGAATTTGG  
 AAGTTGGATTCCCAGAATTTGAGAATATATTTGTAGTTACTGACTCCAGACATCTGTCTTCAATGAC  
 TTATAACAAGGCTGATTGTAGGATTGTTGGACCACCAGTTATACTCACTGTGCACAAATGGGAGAGCCCT  
 TGCCGTTCTCCTGCCGGCCGCTGTACTGCACGAGCATGCTGAATCTGGTGTCTGCTTCACTGGATTCAG  
 GAAGAAGGAGGAGCTCGTCAAATGGTGACATTGGTTCATCATATGGGTGGAGTTATTCGAAAAGAAATGC  
 AATTCAAAAGTAACACATCTGGTGGCAAATGTACGCAAGGAGAAAAGTTTAGGGTTGCTGTGAGCCTGG  
 GGACTCCAATTATGAGGCCAGGATGGATTTATGAAGCATGGGAAAAGACGCAATGAACAGTGTCTGTGC  
 AGCAGATGATGACTTTAGAAATGAATTTAAAGTTCCTCCATTCCAAGATTGCATTTAAGTTTTCTGGGA  
 TTTTCAGATGAAGAGAAACACAGTATGGAAGAAATGACTGAAATGCAAGGAGGTACCTATTTACCAGTTG  
 GGGATGAAAGGTGCACTCACCTATTGTTGATGAGAACACAGTAAAGGAACTTCCATTTGAACCTTCCAA  
 GAACTTTTTGTGGTCAAGCAAGAGTGGTCTGGGGAAGCATTGAGATGGATGCCCGGGCTGGTGAAGT  
 ATGATTTGTATGAAAAGGCTAATACTCCTGAGCTCAAGAAATCCGTGTCTTTGCTGTCTCTGAGTACTC  
 CAAACGCAACCCGAAAAGACGGAGGTTGAAAGAAAGCCTGGCTCAGCTCTCCAGAGAGACCCGACCTCTC  
 TCTTTCCCTCCGCGCAAGCGGCCCTCAGCAGAGCATTCCCTTTCTATCGGCTCGCTCCTGGATATCTCC  
 AACACACCCGACTCCAGCATTCACTATGGAGAAAACACCGAAGTCTTGTGCTAAGTCTTCCAGGATTCAA  
 CTCCAGTTCCTCAAAGCAGTCGGCCAGGTGGCAGGTGGCAAAAGAGCTTACCAGACTGAGAGCAACTA  
 TGTCAATATACTGGCCACCATCATTCAATTATTTAGGTACCCTTAGAAGAAGAAGGACAACGGGGTGGG  
 CCTATTCTTGACCCGAGGAAATCAAGACTATTTTGGGAGCATCCAGACATCTTTGACGTACATATGA  
 AGATAAAGGATGATCTTGAAGACCTATTGCTAACTGGGATGAGAGCAGAAGTATTGGTGACATCTTTCT  
 TAAATATTCAAAAGATTTGGTAAAACCTATCCTCCATTTGTAACCTCTTTGAAATGAGCAAGGAAATG  
 ATTTAATAATGTGAAAAACAGAAGCCAGATTTTCATGCTTTTCTCAAGATAAATCAAGCTAAACCAGAGT  
 GTGGACGGCAAAGCCTTGTGAACTTCTATTCCGCCAGTACAGCGGTTACCCAGTGTTCCTTACTTTT  
 AAACGATCTTAAAAGCATAACAGCTGATGAAAATCCAGACAAAAGCACGTTAGAAAAGCTATTGGATCA  
 CTAAGAAGTAATGACACATATCAATGAGGATAAGAGAAAAACAGAAGCACAGAAGCAAATTTTTGATG  
 TTGTTTATGAAGTAGATGGATGCCAGCTAATCTATTATCTTCTCATCGAAGCCTGATACAAAGAGTGG  
 AACAGTTTCTCTTGGTGAGCACCCTGTGACCGAGGAGAAACAAGTCACTCTTCTCTTCAATGACTGC  
 CTTGAGATAGCAAGAAAACGGCACAAGGTTATTGGCACTTTTGAAGTCTCATGACCGCACCCGGCCAC  
 CAGCTTCTCTGAAGCACATTCATCTAATGCCTTTTCTCAGATTAAGAAGGTGCTGGACATCAGAGAGC  
 AGAAGATTGTCATAATGCCTTTGCCTTGTGAGGCCACCAACAGAGCAGGCCAACGTGCTGCTCAGC  
 TTCCAGATGACGTCAGAGGAGCTTCAAAGGAGAGCTGGCTGAAGATGCTGTGTCGACATGTTGCCAACA  
 CCATTTGTAAAGCAGATGCTGAGAATCTTATGTACGTGACTGATCCAGAATCTTTTGAAGTAAATACAAA  
 AGATATGGATAGTACACTTAGTCGAGCATCTAGAGCAATAAAAAAGACTTCAAAAAGGTTACAAGGGCA  
 TTCTCTTTTTCCAAAACCTCCAAGAGAGCCCTGCGGATGGCTCTGTATCATCCCATAGCTCAGAGGGAA  
 GGAGTCTCCGAGTAGTGGCAAACCTGCTGTGAGCCGTCTGTCCAGCACATCTTCTTAGCAGGTATTCC  
 ATCGCCTTCCCTGTGAGCCTCCCTTCTTTTGAACGGAGAAGTCATACATTAAGTCGATCTACAAC  
 CACTTGAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001108547

<b>Insert Size:</b>	2742 bp
<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001108547.2</a></u> , <u><a href="#">NP_001102017.2</a></u>
<b>RefSeq Size:</b>	4043 bp
<b>RefSeq ORF:</b>	2742 bp
<b>Locus ID:</b>	361921
<b>Cytogenetics:</b>	2q24