

## Product datasheet for **RN214787**

### **Ttyh1 (NM\_001106225) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ttyh1 (NM_001106225) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ttyh1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >RN214787 representing NM\_001106225  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGGCACCCCGGGCTACCGACCTCTGCCTGGGTGCATCTCTCCACCAGCTGCCCGTGCCGACT  
 TCCAGCTCCGCCCGGTGCCAGCGGCTTTGCTCCCCGCGACCAAGAGTACCAGCAGGCCCTGCTGCTGGT  
 GGCAGCCTTGGCTGGGCTGGGTTTGGGCCTGAGCCTCATCTTCATCGCTGTCTACCTCATCCGCTTCTGC  
 TGCTGCAGGCCTCCAGAACCCCTGGGGCCAAGAGTCCCCACCCGGAGGAGGCTGTGTACCTGGAGCT  
 GCATTGCTGCCCTTCTCGTGGGCTGTGCAGGCATTGGCATTGGTTTCTATGGTAACAGCGAGACCAGTGA  
 TGGGGTGTCCCAGCTCAGCTCAGCACTGCAGCATGCCAACACACGCTCAGCACCATTGATGACTTGGTG  
 CTGAAACGGTAGAGAGGCTGGGTGAGGCTGTGAGGACAGAGCTGACCACCCTGGAGGAAGTGTGTCAG  
 AACCGGTGGAGCTGGTGGCTGCCACCCGGGGAGCCAGAAGGCAGGCTGAGGCAGCAGCTCAGCACCTGCA  
 AGCCCTAGCCTTCTGGCAGGGAGTGTCCCTGAGCCAGTACAGGTGGCTGAGGATGTGACTTTCGTGGAG  
 GAGTACAGGTGGCTGGCCTATGTCTCCTGCTGCTCTTGGTGCTTCTGGTTTGTCTTCCACCTCCTGG  
 GCCTGGCCAAGCAGAGCAAGTGGCTGGTGGTGTGATGACCGCCATGAGTCTCCTGGTGGTGTCTCTGAG  
 CTGGGGTTCTATGGGCTAGAGGCTGCCACAGCTGTGGGTCTCAGTGACTTCTGCTCCAACCCAGACACC  
 TATGTGCTGAACCTTGACCCAGGAGGAGACAGGAATCAGTTCAGACATCCTCAACTATTATTCCTGTGCA  
 ACCAGGCGGTCTCCAACCCCTTCCAACAGAGGCTGACTCTGTCCCAGCGTGTCTAGCCAGCATCCACTC  
 TCAGTGCAAGGCCTGGAGCGGGAAGCTAGCCCTCAATTCCTGCTGCACAGAAGCCCTTGTATCCTTG  
 GAGGAGACGCTGAATGTGACAGAAAGAAGCTCCACCAGTTGGTGGCACTGCTGCACTGCCGAGTCTGC  
 ACAAGGACTATGGCTCAGCACTCCGAGGCTGTGTGAAGATGCCCTAGAGGGCCTGCTTCTCCTGATGCT  
 CTTTTCTCCTGTCTGCCGGGGCCCTAGCCACCACTCTTTGCAGCCTGCCCGTGCCTGGGCTCTCTTC  
 CCACCCAGTGATGACTACGATGACACAGACGATGACGACCCTTCAACCCTCAGGAATCCAAGCGCTTTG  
 TGCAGTGGCAGTCTCCAT**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1945\\_f09.zip](https://cdn.origene.com/chromatograms/ja1945_f09.zip)

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001106225

**Insert Size:** 1353 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<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_001106225.1</a></u> , <u><a href="#">NP_001099695.1</a></u>
<b>RefSeq Size:</b>	2957 bp
<b>RefSeq ORF:</b>	1353 bp
<b>Locus ID:</b>	292597
<b>UniProt ID:</b>	<u><a href="#">P0C5X8</a></u>
<b>Cytogenetics:</b>	1q21
<b>Gene Summary:</b>	Probable chloride channel. May be involved in cell adhesion.[UniProtKB/Swiss-Prot Function]