

## Product datasheet for **RR214787**

### Ttyh1 (NM\_001106225) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ttyh1 (NM\_001106225) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ttyh1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR214787 representing NM\_001106225  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGGGCACCCCGGGCTACCGACCCTCTGCCTGGGTGCATCTCCTCCACCAGCTGCCCGTGCCGACT  
TCCAGCTCCGCCCCTGCCAGCGGCTTTGCTCCCCGCGACCAAGAGTACCAGCAGGCCCTGCTGTGGT  
GGCAGCCTTGGCTGGCTGGGTTGGGCTGAGCCTCATCTTCATCGCTGTCTACCTCATCCGTTCTGC  
TGCTGCAGGCCTCCAGAACCCCTGGGGCCAAGAGTCCCCACCGGAGGAGGCTGTGTACCTGGAGCT  
GCATTGCTGCCCTTCTCGTGGGCTGTGCAGGCATTGGCATTGGTTTCTATGGTAACAGCGAGACCAGTGA  
TGGGGTGTCCCAGCTCAGCTCAGCACTGCAGCATGCCAACACACGCTCAGCACCATTGATGACTTGGT  
CTGAAACGGTAGAGAGGCTGGGTGAGGCTGTGAGGACAGAGCTGACCACCCTGGAGGAAGTGTGTGAG  
AACCGTGGAGCTGGTGGCTGCCACCCGGGGAGCCAGAAGGCAGGCTGAGGCAGCAGCTCAGCACCTGCA  
AGGCTAGCCTTCTGGCAGGGAGTGTCCCTGAGCCAGTACAGGTGGCTGAGGATGTGACTTTCGTGGAG  
GAGTACAGGTGGCTGGCCTATGTCTCCTGCTGCTCTTGGTGTCTTGGTTTGTCTTCCACCCTCCTGG  
GCCTGGCCAAGCAGAGCAAGTGGCTGGTGGTGTGATGACCGCCATGAGTCTCCTGGTGTGTGCTGAG  
CTGGGGTTCTATGGGCTAGAGGCTGCCACAGCTGTGGGTCTCAGTGACTTCTGCTCCAACCCAGACACC  
TATGTGCTGAACCTGACCCAGGAGGAGACAGGAATCAGTTCAGACATCCTCAACTATTATTTCTGTGCA  
ACCAGGCGGTCTCCAACCCCTTCCAACAGAGGCTGACTCTGTCCAGCGTGTCTAGCCAGCATCCACTC  
TCAGCTGCAAGGCCTGGAGCGGGAAGCTAGCCCTCAATTTCTGCTGCACAGAAGCCCTTGTATCCTTG  
GAGGAGACGCTGAATGTGACAGAAAAGCTTCCACAGTGGTGGCACTGTGCACTGCCGAGTCTGC  
ACAAGGACTATGGCTCAGCACTCCGAGGCTGTGTGAAGATGCCCTAGAGGGCTGTGTCTCTGATGCT  
CTTTCTCTCTGTCTGCCGGGGCCCTAGCCACCACTTTTGCAGCCTGCCCGTGCCTGGGCTCTTTC  
CCACCCAGTGACTACGATGACACAGACGATGACGACCCCTTCAACCTCAGGAATCCAAGCGCTTTG  
TGCAGTGGCAGTCTCCATC

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



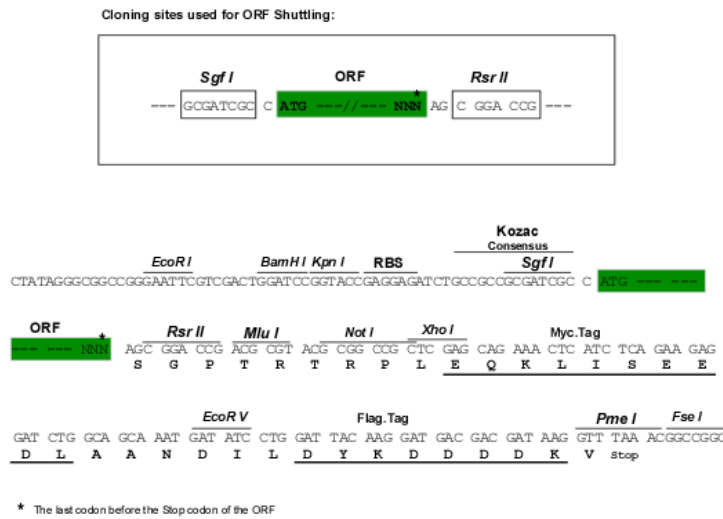
**Protein Sequence:** >RR214787 representing NM\_001106225  
Red=Cloning site Green=Tags(s)

MGAPPGYRPSAWVHLLHQLPRADFQLRPVPSGFAPRDQEYQQALLLVAALAGLGLGLSLIFIAVYLIRFC  
 CCRPPEPPGAKSPPPGGGCVTWSCIAALLVGCAGIGIGFYGNSETSDGVSQSSALQHANHTLSTIDDLV  
 LETVERLGEAVRTELTTLEEVLSERVELVAATRGAARRQAEAAHQHLQGLAFWQGVSLSPVQVAEDVTFVE  
 EYRWLAYVLLLLVLLVCLFTLLGLAKQSKWL VVVMTAMSLLVLVLSWGSMLGAEATAVGLSDFCSNPDT  
 YVNLNTQEETGISSDILNYYFLCNQAVSNPFQQRLLTSQLRALASIHSQLQGLEREASPQFPAAQKPLL  
 EETLNVTERSFHQLVALLHCRSLHKDYGSALRGLCEDALEGLLFLMLFSLLSAGALATTLCSLPRAWALF  
 PPSDDYDDTDDDDPFNPQESKRFFVQWQSSI

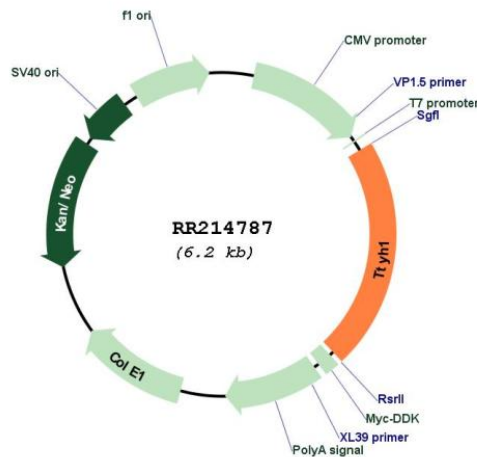
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001106225
<b>ORF Size:</b>	1350 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_001106225.1</a> , <a href="#">NP_001099695.1</a>
<b>RefSeq Size:</b>	2957 bp
<b>RefSeq ORF:</b>	1353 bp
<b>Locus ID:</b>	292597
<b>UniProt ID:</b>	<a href="#">P0C5X8</a>
<b>Cytogenetics:</b>	1q21
<b>MW:</b>	49 kDa
<b>Gene Summary:</b>	Probable chloride channel. May be involved in cell adhesion.[UniProtKB/Swiss-Prot Function]