

## Product datasheet for **SC331427**

### TTYH1 (NM\_001201461) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TTYH1 (NM\_001201461) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TTYH1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331427 representing NM\_001201461.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGGCGCCCCGGGCTACCGGCCCTCAGCTTGGGTGCATCTCCTCCACCAGCTGCCCGCGCCGAC
TTCCAGCTCCGCCCGGTGCCAGCGTTTTCCGCGCCCAAGAGCAGGAATACCAGCAGGCCTTGTGCTG
GTGGCGGCCTTGGCGGGCCTGGGCTTGGGCTGAGCCTCATTTTCATCGCTGTCTACCTCATCCGCTTC
TGCTGTGCCGGCCCCCGAGCCCCCGGGTCCAAGATCCCCTCGCCGGGGGAGGCTGCGTCACCTGG
AGCTGCATTGTCGCCCTTCTCGCCGGCTGCACTGGCATTGGCATCGTTTCTATGGCAACAGTGAGACC
AGTGATGGGGTGTCCAGCTCAGCTCTGGCTGCTGCACGCCAACACACTCAGCAACATTGACCAC
CTGGTGTGGAGACGGTGGAGAGGCTGGGCGAGGCGGTGAGGACAGAGCTGACCACCCTGGAGGAGGTG
CTCGAGCCGCGCACGGAGCTGGTGGCTGCCGCCGAGGGGCTCGACGGCAGGCGGAGGCTGCGGCCAG
CAGCTGCAGGGGCTGGCCTTCTGGCAGGGAGTGCCCTGAGCCCCCTGCAGGTGGCTGAAAATGTGTCC
TTTGTGGAGGAGTACAGGTGGCTGGCCTACGTCCTCCTGCTGCTCCTGGAGCTGCTGGTCTGCCTTTC
ACCCTCTGGGCCTGGCGAAGCAGAGCAAGTGGCTGGTATCGTGATGACAGTATGAGTCTCCTGGTT
CTCGTCTGAGCTGGGGCTCCATGGGCTGGAGGCAGCCACGGCCGTGGGCTCAGTGACTTCTGCTCC
AATCCAGACCCTTATGTTCTGAACCTGACCCAGGAGGAGACAGGGCTCAGCTCAGACATCCTGAGCTAT
TATCTCTCTGCAACCGGCCGTCTCAACCCCTTCCAACAGAGGCTGACTCTGTCCAGCGAGCTCTG
GCCAATCCACTCCCAGCTGCTGGCCTGGAGCGAGAAGCTGTCCCTCAGTTCCCTTCAGCGCAGAAG
CCTCTGCTGTCTTGGAGGAGACTCTGAATGTGACAGAAGGAAATTTCCACCAGTTGGTGGCACTGCTA
CACTGCCCGAGCCTGCACAAGGACTATGGTGCAGCCCTGCGGGGCTGTGCGAAGACGCCCTGGAAGGC
CTGCTCTTCTGCTACTTCTCCCTGCTGTCTGCAGGAGCGCTGGCCACTGCCCTCTGCAGCCTGCC
CGAGCCTGGGCCCTTCCCACCCAGTGACGACTACGATGACACAGACGATGACGACCCTTCAACCTT
CAGCAGGAATCCAAGCGCTTTGTGCAGTGGCAGTCGTCTATCTGA
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001201461  
**Insert Size:** 1356 bp  
**OTI Disclaimer:** 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>NM_001201461.1</u>
<b>RefSeq Size:</b>	1924 bp
<b>RefSeq ORF:</b>	1356 bp
<b>Locus ID:</b>	57348
<b>UniProt ID:</b>	<u>Q9H313</u>
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Ion Channels: Other, Transmembrane
<b>MW:</b>	49.2 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the tweety family of proteins. Members of this family function as chloride anion channels. The encoded protein functions as a calcium(2+)-independent, volume-sensitive large conductance chloride(-) channel. Three transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice junction at the 5' end of an exon and contains an alternate exon compared to variant 2, that causes a frameshift. The resulting isoform (1) has a shorter and distinct C-terminus compared to isoform 2.</p>