

## Product datasheet for **SC122358**

### TTYH1 (BC019358) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TTYH1 (BC019358) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTYH1
Synonyms:	4930459B04Rik; 6330408P11Rik; OTTMUSP00000024583; tty; tweety 1; tweety homolog 1 (Drosophila)
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC019358 edited

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GTCCTGTCTCATGATAACACTATTTACAGAGGACCTGGGCTGTGGCCAGACACAGTAA
ACAGCAGGAGGCTGAGCTTGGAGGGTGGTGAATGTGGCTGGCCTACGTCCTCCTGCTGCT
CCTGGAGCTGCTGGTCTGCCTCTTACCCTCCTGGGCTGGCGAAGCAGAGCAAGTGGCT
GGTGATCGTGATGACAGTCATGAGTCTCCTGGTTCTCGTCTGAGCTGGGGCTCCATGGG
CCTGGAGGCAGCCACGGCCGTGGGCTCAGTGACTTCTGCTCCAATCCAGACCCTTATGT
TCTGAACCTGACCCAGGAGGAGACAGGGCTCAGCTCAGACATCCTGAGCTATTATCTCCT
CTGCAACCGGGCCGTCTCCAACCCCTTCCAACAGAGGCTGACTCTGTCCCAGCGAGCTCT
GGCCAACATCCACTCCCAGCTGCTGGGCTGGAGCGAGAAGCTGTGCCTCAGTTCCTTC
AGCGCAGAAGCCTCTGCTGTCCTTGGAGGAGACTCTGAATGTGACAGAAGGAAATTTCCA
CCAGTTGGTGGCACTGCTACACTGCCGAGCCTGCACAAGGACTATGGTGCAGCCCTGCG
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TGCAGGAGCGCTGGCCACTGCCCTCTGCAGCCTGCCCGAGCCTGGGCCCTTCCCACC
CAGTGACGACTACGATGACACAGACGATGACGACCCTTTCAACCTCAGCAGGAATCCAA
GCGCTTTGTGAGTGGCAGTCTATCTGAGCCCTCCTCCCGCTGGACTGGAGCCTG
GCTCCCCTCTTCGTTCTTCCCTGGCTGCCGAGGAGACCCCACTAACCCAGCCTGCCTG
GGCTCTGACCACTAACACTCTTGGCCATGGACAGCCTGCACAGGACCCGCTCCCTGCTCT
TGGCCACTGTGCTCCATTTCTGTCTTGGCCTTGGGAGTAGCTGAGGGGGCAGACTAGG
GAGTAGGGCTGGCAGGGGAGGGGCGAGACGCCTCGCCTCGCACCTTTCATCCCTGGCTG
CCGGTCCCATCCTTGGAGGGACTAAGCTGGGGGTGGGGGACATGAGTCCCCTGCTGCC
CTGCCACATCCCAGTGGGCTCTGACCCCTGATCTCAACTCGTGGCACTAACTTGGAAAA
GGGTTGATTTAAAATAAAAGGGAAGACTATTTTACAAGCAAAAAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for BC019358 unedited</p> <pre> TAGTTAGAATTGTATACGACTTACTATAGGCGGCCGGAATTCGCACGAGGTCTGTCTC ATGATAACACTATTTTACAGAGGACCTGGGCTGTGGCCAGACACAGTAAACAGCAGGAG GCTGAGCTTGGAGGGTGGTGAATGTGGCTGGCCTACGTCTCCTGCTGCTCCTGGAGCTG CTGGTCTGCCTCTTACCCTCCTGGGCTGGCGAAGCAGAGCAAGTGGCTGGTATCGTG ATGACAGTCATGAGTCTCCTGGTTCTCGTCTGAGCTGGGGCTCCATGGGCCTGGAGGCA GCCACGGCCGTGGGCCTCAGTGACTTCTGCTCCAATCCAGACCCTTATGTTCTGAACCTG ACCCAGGAGGAGACAGGGCTCAGCTCAGACATCCTGAGCTATTATCTCCTCTGCAACCGG GCCGTCTCCAACCCCTTCCAACAGAGGCTGACTCTGTCCAGCGAGCTCTGGCCAACATC CACTCCCAGCTGCTGGGCTGGAGCGAGAAGCTGTGCCTCAGTCCCTTCCAGCGAGAAG CCTCTGCTGTCTTGGAGGAGACTCTGAATGTGACAGAAGGAAATTTCCACCAGTTGGTG GCACTGTACTACTGCCGAGCCTGCACAAGGACTATGGTGCAGCCCTGCGGGCCTGTGC GAAGACGCCCTGGAAGGCCTGCTTCTGCTGCTTCTCCCTGCTGTCTGCAGGAGCG CTGGCCACTGCCCTCTGCAGCCTGCCCGAGCCTGGGCCCTTCCACCCAGTGACGAC TAGGATGACACAGACGATGACGACCCTTCAACCCTCAGCAGGAATCCAAGCGCTTGTG CAGTGGCAGTCGTCTATCTGAGCCCTCCTNCCNNGCTGACTGGAGCCTGGCTCCNCTCT TCGTTCTTCCCCTGCTGCGNAGAGACCCCACTAACAGCCTGCTGGCTCTGACTACTACA C </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC019358
<b>Insert Size:</b>	1257 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>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="#">BC019358.1</a></u> , <u><a href="#">AAH19358.1</a></u>
<b>RefSeq Size:</b>	1257 bp
<b>RefSeq ORF:</b>	717 bp
<b>Locus ID:</b>	57348
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Ion Channels: Other, Transmembrane

**Gene Summary:**

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]