

Product datasheet for **SC104280**

TTYH2 (NM_032646) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTYH2 (NM_032646) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTYH2
Synonyms:	C17orf29
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC104280 sequence for NM_032646 edited (data generated by NextGen Sequencing)

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ATGCAGGCGGCGCGCTGGACTACATCGCTCCCTGGTGGGTGCTGTGGCTGCACAGCGTC
CCGCACGTGCGCTGCGCTGCAGCCCGTGAACAGCACCTTCAGCCCCGGCGACGAGAGT
TACCAGGAGTCGCTGCTGTTCTCTGGGGCTGGTGGCCGCGCTGCTGCTGGGCTGAACCTC
ATCTTCCTTGTGGCTTACCTGGTCTGTGCATGCCACTGCCGGCGGGACGATGCGGTGCAG
ACCAAGCAGCACCACTCCTGCTGCATCACCTGGACGGCCGTGGTGGCCGGGCTCATCTGC
TGTGCTGCGGTGGCGTTGGTTTCTATGAAACAGCGAGACCAACGATGGGGCGTACCAG
CTGATGTACTCCTTGGACGATGCCAACCACACCTTCTCTGGGATCGATGCTCTGGTTTC
GGAAGTACCCAGAAGATGAAGGTGGACCTAGAGCAGCACCTGGCCCGGCTCAGTGAGATC
TTTGCTGCCCCGGGGCGATTACCTGCAGACCCTGAAGTTCATACAGCAGATGGCGGGCAGC
GTTGTTGTTTCTCAGGACTGCCCGTGTGGAGGGAGGTACCATGGAGCTGACCAAG
CTATCCGACCAGACTGGTACGTGGAGTACTACAGGTGGCTCTCTACCTCCTGCTCTTT
ATCCTGGACCTGGTCATCTGCCTCATTGCCTGCCTGGGACTGGCCAAGCGCTCCAAGTGT
CTCCTGGCCTCGATGCTGTGCTGTGGGGCACTGAGCCTGCTCCTCAGTTGGGCATCCCTG
GCCGCTGATGGCTCTGCGCAGTGGCCACCACTGACTTCTGTGTGGCTCCTGACACCTTC
ATCCTGAACGTACCGGAGGGCCAGATCAGCACAGAGGTGACTCGTACTACCTGTATTGC
AGCCAGAGTGGAAGCAGCCCTTCCAGCAGACCCTGACCACCTTCCAGCGCGCACTTACC
ACCATGCAGATCCAGGTGCGGGGCTGCTGCAGTTTGCCGTGCCCTCTTCTCCACTGCA
GAGGAAGACCTGCTTGCAATCCAGCTCCTGCTGAACTCCTCAGAGTCCAGCCTTACCAG
CTGACCGCCATGGTGGACTGCCGAGGGCTGCACAAGGATTATCTGGACGCTCTTGCTGGC
ATCTGCTACGACGGCCTCCAGGGCTTGTGTACCTTGGCCTCTTCTCCTTCTGGCCGCC
CTCGCCTTCTCCACCATGATCTGTGCAGGGCCAAGGGCCTGGAAGCACTTACCACCAGA
AACAGAGACTACGATGACATTGATGATGATGACCCCTTTAACCCCAAGCCTGGCGCATG
GCGGCTCACAGTCCCCGAGGGGACAGCTTACAGCTTCTGCAGTACAGCAGTGGCCTG
GGAAGTCAGACCAGCCTGCAGCCCCGGCCAGACCATCTCCAACGCCCTGTCTCCGAG
TACATGAACCAAGCCATGCTCTTTGGTAGGAACCCACGCTACGAGAAGTGGCACTAATC
GGGAGAGCCTCCCTCCGCTACGTAATCTCCAGCATGAGAGCCACCTACCTGTCTGTG
GCGGATGAGCACCTGAGGCACTACGGGAATCAGTTTCCAGCCTAA
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Clone variation with respect to NM_032646.5

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032646 unedited

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GGGTCAGATTTGTATACGACTACTATAGGCGGCCGGAATTCGCACGAGGCTCGGGCCG
AGCCATGCAGGCGGCGCGCTGGACTACATCGCTCCCTGGTGGGTGCTGTGGCTGCACAG
CGTCCCGCACGTGCGCTGCGCTGCAGCCCGTGAACAGCACCTTCAGCCCCGGCGACGA
GAGTTACCAGGAGTCGCTGCTGTTCTCTGGGGCTGGTGGCCGCGCTGCTGCTGGGCTGAA
CCTCATCTTCTTGTGGCTTACCTGGTCTGTGCATGCCACTGCCGCGGGACGATGCGGT
GCAGACCAAGCAGCACCACTCCTGCTGCATCACCTGGACGGCCGTGGTGGCCGGGCTCAT
CTGCTGTGCTGCGGTGGGCGTTGGTTTCTATGAAACAGCGAGACCAACGATGGGGCGTA
CCAGCTGATGTACTCCTTGGACGATGCCAACCACACCTTCTCTGGGATCGATGCTCTGGT
TTCCGGAACTACCCAGAAGATGAAGGTGGACCTAGAGCAGCACCTGGCCCGGCTCAGTGA
GATCTTTGCTGCCCGGGGCGATTACCTGCAGACCCTGAAGTTCATACAGCAGATGGCGGG
CAGCGTTGTTGTTTCACTCTCAGGACTGCCCGTGTGGAGGGAGGTACCATGGAGCTGAC
CAAGCTATCCGACCAGACTGGTACGTGGAGTACTACAGGTGGCTCTNCTACCTNCTGCT
CTNATCCTGGACCTGGTCATCTGCCTCATTGCCTGCCTGGGACTGGCCAAGCGCTCCAA
GTGTCTCCTGGCCTCGATGCTGTGCTGTGGGGCACTGAGCCTGCTNCTCAGTTGGGCATN
CCTGGCCGCTGATGGCTCTGCGGCACTGGCCACCACTGACTTCTGTGTGGCTCCTGACAC
TTCTNCTGAAG
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032646 unedited <pre> NGCGGGTATTACTATGNACCGCGCCGCTTTCNANGATCGAGTTTTTTTTTTTTTTTTTTT TTTAGTACAAGTGGTTTATTTCTCTCCAGGTGAGGCCGCATGTATATAAGCAAAGGTTT GCCCACCTGGTTCCTTCAGGAACCCCCGAGGAATCTGTTTAGTTTCCATGCATTAATAA CAACCCCTAGTTGCCAATAATGAACTTTAAGAAGCAACACTTTGACGTCGCAGAGTTC CTCTCTGCATGTGACGCGGATATACCAAAGTGAGTTTATGGCATAACAGTATGCATGGGTT AATGTAGGTGAGACAGGAGTCCCGGCTGCCCTGTGGCCCATCTGTTGTGGAGGCTTC GCTGGGAGCTGAGAACCCCTGCTGTCCATGTTTTGATGACAGGTGGTTCTTCCAAAACA GAAGCACCGAGTCACCGCACGCCCTGCTTCAGTGTGCGAGGCCGTGGGGCTCTGGTGTT GTGAACCTCAGGTTGGCAGGAGTTGGAAGCACAAAGACCCCAACTCTGGTCCCTCAAC AGGCAGTATTGGGGGACATTATCCCTCTGGCCAATAAGCTCCTGTGGCCTGGGACACT GGGTGGGACAGGTGGTGGGGTGGGGCAAGGGCAAAGGCTATCCTCTATAAAGACA CAGTTGTAGCACTTTGCTAAACCTTTTTCTGCCAACTTACTTGGAGACAACAAGGGAG GGGACAGCTGATGTAGGCATTTGGCTAGTCCCCTAAAACAGGGAAGTCTGGCTTTCCCTC TTTGGGTTTTTCTCTCTTTAAATCCCCCCTCTGGGGGGAAAGAAACCCCATACCC CCCCAACATAACCTTGGGACCAGATGCCCTCACTGGTCCCTTATTAAGAAACCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032646
Insert Size:	3800 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).
Components:	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).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	NM_032646.5 , NP_116035.5
RefSeq Size:	3468 bp
RefSeq ORF:	1605 bp
Locus ID:	94015
UniProt ID:	Q9BSA4
Cytogenetics:	17q25.1
Domains:	Tweety
Protein Families:	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+)-activated large conductance chloride(-) channel, and may play a role in kidney tumorigenesis. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript, and encodes the longer isoform (1).