

## Product datasheet for **RC234134**

### TTYH1 (NM\_001201461) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TTYH1 (NM_001201461) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTYH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234134 representing NM\_001201461  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGGCGCCCCGGGCTACCGCCCTCAGCTTGGGTGCATCTCTCCACCAGCTGCCCGCGCCGACT  
 TCCAGCTCCGCCCGGTGCCAGCGTTTTTCGCGCCCAAGAGCAGGAATACCAGCAGGCCTTGTGCTGGT  
 GGCGGCCCTGGCGGGCTGGGCTTGGGCTGAGCCTATTTTCATCGCTGTCTACCTCATCCGCTTCTGC  
 TGCTGCCGGCCCCGAGCCCCCGGGTCCAAGATCCCCTCGCCCGGGGAGGCTGCGTCACCTGGAGCT  
 GCATTGTCGCCCTTCTCGCCGGTGCAGTGGCATTGGCATCGGTTTCTATGGCAACAGTGAGACCAGTGA  
 TGGGGTGTCCAGCTCAGCTCTGCGCTGCTGCACGCCAACACACTCAGCACCATTGACCACCTGGTG  
 TTGGAGACGGTGGAGAGGCTGGGCGAGGCGGTGAGGACAGAGCTGACCACCCTGGAGGAGGTGCTCGAGC  
 CGCGCACGGAGCTGGTGGCTGCCCGCCGAGGGCTCGACGGCAGGCGGAGGCTGGGCCCCAGCAGCTGCA  
 GGGGCTGGCCTTCTGGCAGGGAGTGCCCTGAGCCCCCTGCAGGTGGCTGAAAATGTGTCCTTTGTGGAG  
 GAGTACAGGTGGCTGGCCTACGTCTCTGCTGCTCTGGAGCTGCTGGTCTGCCTTTACCCCTCTGG  
 GCCTGGCGAAGCAGAGCAAGTGGCTGGTATCGTGATGACAGTCATGAGTCTCTGGTTCTGCTCTGAG  
 CTGGGGCTCCATGGGCTGGAGGCAGCCACGGCGTGGGCTCAGTGACTTCTGCTCCAATCCAGACCCT  
 TATGTTCTGAACCTGACCAGGAGGAGACAGGGCTCAGCTCAGACATCCTGAGCTATTATCTCTCTGCA  
 ACCGGGCCGTCTCAACCCCTTCCAACAGAGGCTGACTCTGTCCCAGCGAGCTCTGGCCAACATCCACTC  
 CCAGCTGCTGGGCTGGAGCGAGAAGCTGTGCCTCAGTCCCTCAGCGCAGAAGCCTCTGCTGTCTTG  
 GAGGAGACTCTGAATGTGACAGAAGGAAATTTCCACCAGTTGGTGGCACTGCTACACTGCCGAGCCTGC  
 ACAAGGACTATGGTGCAGCCCTCGGGGCTGTGCGAAGACGCCCTGGAAGGCCTGCTCTTCTGCTACT  
 CTTCTCCCTGCTGTCTGACAGGAGCGCTGGCCACTGCCCTCTGCAGCCTGCCCCGAGCCTGGGCCCTCTTC  
 CCACCCAGTGACGACTACGATGACACAGACGATGACGACCCTTTCAACCTCAGCAGGAATCCAAGCGCT  
 TTGTGCAGTGGCAGTCGCTATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234134 representing NM\_001201461  
 Red=Cloning site Green=Tags(s)

MGAPPGYRPSAWVHLLHQLPRADFQLRPVPSVAFQEQEYQQALLLVAALAGLGLGLSLIFIAVYLIRFC  
 CCRPPEPPGSKIPSPGGCVTWSCIVALLAGCTGIGIFYGNSETSDGVSQSSALLHANHTLSTIDHLV  
 LETVERLGEAVRTELTTLEEVLEPRTELVAARGARRQAEAAAQQLQGLAFWQGVPLSPLQVAENVSFVE  
 EYRWLAYVLLLLLELLVCLFTLLGLAKQSKWLVIMTVMSLLVLSWGSMLAATAVGLSDFCSNPDP  
 YVLNLTQEETGLSSDILSYLLCNRAVSNPFQQRLLTSLQRALANIHSQLLGLEREAVPQFPPSAQKPLL  
 EETLNVTEGNFHQLVALLHCRSLHKDYGAALRGLCEDALEGLLFLLLFSLLSAGALATALCSLPRAWALF  
 PPSDDYDDTDDDDPFNPQEQESKRFFVQWQSSI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001201461

**ORF Size:** 1353 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001201461.2](#)

**RefSeq Size:** 1924 bp

**RefSeq ORF:** 1356 bp

**Locus ID:** 57348

**UniProt ID:** [Q9H313](#)

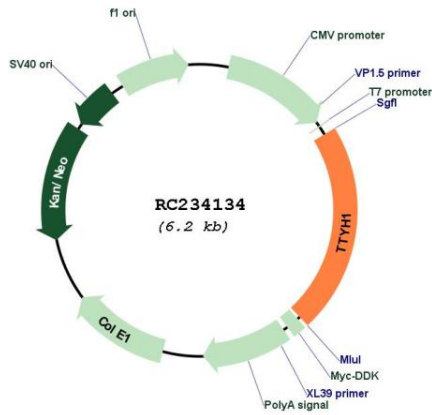
**Cytogenetics:** 19q13.42

**Protein Families:** Ion Channels: Other, Transmembrane

**MW:** 49.6 kDa

**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]

**Product images:**



Circular map for RC234134