

## Product datasheet for **RC212221**

### TTYH3 (NM\_025250) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TTYH3 (NM_025250) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTYH3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC212221 representing NM\_025250  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGGGGTACGTACGCGGCCCTGGTGGGTGAGCCTCCTGCACCGGCTGCCCACTTCGACCTGA  
 GCTGGGAGGCCACTAGCAGCCAGTTCGGCCCGAGGACACCGACTACCAGCAGGCCCTGCTGCTCCTGGG  
 GGCCGCCGCCCTGGCTGCCTCGCCCTGGACCTCCTCTTCTGCTCTTCTACTCCTTCTGGCTGTGCTGC  
 CGGCGGGCAAGAGCGAGGAGCACCTGGACCGGACTGCTGCTGCACGGCCTGGTGTGCATCATCGCCA  
 CGCTGGTGTGACGCGCCGCATCGCAGTGGGATTCTACGGCAACGGGAGACCAGTGATGGCATCCATAG  
 GGCCACCTACTCGCTCCGCCACGCCAACCCGACGGTGGCCGGGGTCCAGGACCGGTGTGGGACACGGCG  
 GTGGGGTGAACCACACGGCGGAGCCAGCCTGCAGACCTGGAGCGGCAGCTGGCCGGGCGGCCGAGC  
 CCCTGCGAGCCGTACAGAGGCTGCAGGGCTGCTGGAGACGCTGCTGGGTACACGGCCGCCATCCCTT  
 TTGGAGGAACACGGCGGTGTCGCTGGAGGTGCTGGCGGAGCAGGTGGATCTCTACGACTGGTACAGTGG  
 CTGGGCTACCTGGGCCTGCTGCTGCTGGACGTATCATCTGCCTCCTGGTGTGGTGGCCATCCGCA  
 GCTCCAAGGGCATCCTGGTGGGGTCTGCCTGCTGGGAGTCTGGCCCTGGTTCATCAGCTGGGGCGCGCT  
 GGGCTTGGAGCTGGCTGTGTCCGTGGGCTCCAGCGACTTCTGTGTGGACCTGACGCCTACGTGACCAAA  
 ATGGTGGAGGAGTACTCGGTGCTGAGTGGGGACATCCTGCAGTACTACCTGGCCTGCTCGCCCCGCGCC  
 CCAACCCCTTCCAGCAGAAGCTGTCCGGGAGCCACAAGGCACTGGTGGAGATGCAGGATGTCGTGGCTGA  
 GCTTCTGAGGACCGTCCCTGGGAGCAGCCGCCACTAAGGACCCCTCCTCCGCGTCCAGGAGGTGCTG  
 AATGGCACGGAGGTGAACCTGCAGCACCTACCCGCCCTGGTGGACTGCCGACGCTGCATCTGGACTACG  
 TGCAAGCGCTGACCGGCTTCTGCTATGACGGCGTGGAGGCCCTCATCTACCTGGCCCTCTCTCCTTCTG  
 CACAGCCCTCATGTTACGCTCCATCGTCTGCAGCGTCCCGCACACCTGGCAGCAAAAGAGAGGCCCTGAT  
 GAGGACGGGGAGGAGGAGGCCGCTCCAGGGCGCGGCAGGCGCACGACAGCCTTACCGCGTCCACATGC  
 CCAGCCTGTACAGCTGTGGCAGCAGCTACGGCAGTGAACACAGCATCCCGGCCGCGGCCACACCGTCA  
 CAACGCCCCGGTCACTGAGTACATGAGCCAGAACGCTAATTTCCAGAACCCCGCTGTGAGAACACCCCA  
 CTCATTGGGCGGAGTCCCGCCGCCCTCATACACCTCCAGCATGAGAGCCAAATACCTCGCCACGAGCC  
 AGCCTCGCCCTGACTCCAGCGGCAGCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC212221 representing NM\_025250  
 Red=Cloning site Green=Tags(s)

MAGVSYAAPWWVSLHLRPHFDLSWEATSSQFRPEDTDYQQALLLLGAAALACLALDLLFLLFYSFWLCC  
 RRRKSEEHLADCCCTAWCVIIATLVCSAGIAVGFYNGETSDGIHRATYSLRHRANRTVAGVQDRVWDTA  
 VGLNHTAEPQLTLERQLAGRPEPLRAVQRLQGLLETLLGYTAAIPFWRNTAVSLEVLAEQVDLYDWYRW  
 LGYLGLLLLDVLIICLLVLVGLIRSSKILVGVCLLGLVLAALVISWALGLELAVSVGSSDFVDPDAYVTK  
 MVEEYSVLSGDILQYYLACSPRAANPFQQLSGSHKALVEMQDVVAELLRTVPWEQATKDPDLLRVQEV  
 NGTEVNLQHLTALVDCRSLHLDYVQALTGFCYDVEGLIYLALFSFVTALMFSSIVCSVPHTWQKRGPD  
 EDGEEEAAPGPRQAHDLSLRVHMPSLYSCGSSYGETSIPAAAHTVSNAPVTEYMSQANFNQNPCEPT  
 LIGRESPPPSYTSMMRAKYLATSQPRPDSSGSH

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_025250

**ORF Size:** 1569 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\\_025250.3](#)
**RefSeq Size:** 4838 bp

**RefSeq ORF:** 1572 bp

**Locus ID:** 80727

**UniProt ID:** [Q9C0H2](#)

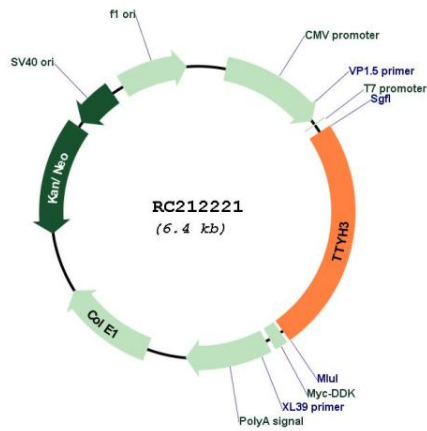
**Cytogenetics:** 7p22.3

**Protein Families:** Transmembrane

**MW:** 57.4 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+)-activated large conductance chloride(-) channel. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC212221