

Product datasheet for RC219969

TTYH2 (NM_052869) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTYH2 (NM_052869) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTYH2
Synonyms:	C17orf29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219969 representing NM_052869 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGCAGATCCAGGTCGCGGGGCTGCTGCAGTTTGCCGTGCCCTTCTCCTCACTGCAGAGGAAGACCTGCTTGCAATCCAGCTCCTGCTGAACCTCAGAGTCCAGCCTTACCAGCTGACCGCCATGGTGGACTGCCAGGGCTGCACAAGGATTATCTGGACGCTTTGCTGGCATCTGCTACGACGGCCTCAGGGCTTGCTGTACTTGGCCTTTCTCCTTCTGGCCGCCCTCGCCTTCTCCACCATGATCTGTGCAGGGCCAAGGGCCTGGAAGCACTTCACCACCAGAAACAGAGACTACGATGACATTGATGATGATGACCCCTTAAACCCCAAGCCTGGCGCATGGCGGCTCACAGTCCCCGAGGGGACAGCTTACAGCTTCTGCAGCTACAGCAGTGGCCTGGGAAGTCAGACCAGCCTGCAGCCCCGGCCAGACCATCTCCAACGCCCTGTCTCCGAGTACATGAACCAAGCCATGCTCTTTGGTAGGAACCCACGCTACGAGAACGTGCCACTAATCGGGAGAGCCTCCCCTCCGCCTACTACTCTCCAGCATGAGAGCCACCTACCTGTCTGTGGCGGATGAGCACCTGAGGCACTACGGGAATCAGTTTCCAGCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC219969 representing NM_052869
Red=Cloning site Green=Tags(s)

MQIQVAGLLQFAVPLFSTAEEDLLAIQLLLNSSESSLHQLTAMVDCRGLHKDYLDALAGICYDGLQGLLY
 LGLFSFLAALAFSTMICAGPRAWKHFTTRNRDYDDIDDDDPFNPQAWRMAAHSPPRGQLHSFCSYSSGLG
 SQTSLQPPAQTISNAPVSEYMNQAMLFGRNPRYENVPLIGRASPPPTYSPSMRATYLSVADEHLRHYGNQ
 FPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_052869

ORF Size: 639 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_052869.1](#), [NP_443101.1](#)

RefSeq Size: 3278 bp

RefSeq ORF: 642 bp

Locus ID: 94015

UniProt ID: [Q9BSA4](#)

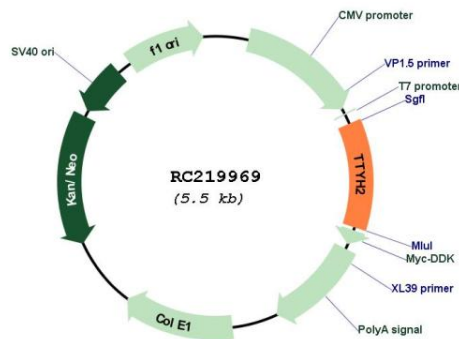
Cytogenetics: 17q25.1

Protein Families: Transmembrane

MW: 23.4 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, 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]

Product images:



Circular map for RC219969