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Product datasheet for RC203710

TTYH1 (NM_001005367) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTYH1 (NM_001005367) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTYH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC203710 representing NM_001005367
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGGCGCCCCCGGGCTACCGGCCCTCAGCTTGGGTGCATCTCCTCCACCAGCTGCCCCGCGCCGACT
TCCAGCTCCGCCCGGTGCCCAGCGTTTTCGCGCCCCAAGAGCAGGAATACCAGCAGGCCTTGTTGCTGGT
GGCGGCCTTGGCGGGCCTGGGCTTGGGCCTGAGCCTCATTTTCATCGCTGTCTACCTCATCCGCTTCTGC
TGCTGCCGGCCCCCCGAGCCCCCCGGGTCCAAGATCCCCTCGCCCGGGGGAGGCTGCGTCACCTGGAGCT
GCATTGTCGCCCTTCTCGCCGGCTGCACTGGCATTGGCATCGGTTTCTATGGCAACAGTGAGACCAGTGA
TGGGGTGTCCCAGCTCAGCTCTGCGCTGCTGCACGCCAACCACACACTCAGCACCATTGACCACCTGGTG
TTGGAGACGGTGGAGAGGCTGGGCGAGGCGGTGAGGACAGAGCTGACCACCCTGGAGGAGGTGCTCGAGC
CGCGCACGGAGCTGGTGGCTGCCGCCCGAGGGGCTCGACGGCAGGCGGAGGCTGCGGCCCAGCAGCTGCA
GGGGCTGGCCTTCTGGCAGGGAGTGCCCCTGAGCCCCCTGCAGGTGGCTGAAAATGTGTCCTTTGTGGAG
GAGTACAGGTGGCTGGCCTACGTCCTCCTGCTGCTCCTGGAGCTGCTGGTCTGCCTCTTCACCCTCCTGG
GCCTGGCGAAGCAGAGCAAGTGGCTGGTGATCGTGATGACAGTCATGAGTCTCCTGGTTCTCGTCCTGAG
CTGGGGCTCCATGGGCCTGGAGGCAGCCACGGCCGTGGGCCTCAGTGACTTCTGCTCCAATCCAGACCCT
TATGTTCTGAACCTGACCCAGGAGGAGACAGGGCTCAGCTCAGACATCCTGAGCTATTATCTCCTCTGCA
ACCGGGCCGTCTCCAACCCCTTCCAACAGAGGCTGACTCTGTCCCAGCGAGCTCTGGCCAACATCCACTC
CCAGCTGCTGGGCCTGGAGCGAGAAGCTGTGCCTCAGTTCCCTTCAGCGCAGAAGCCTCTGCTGTCCTTG
GAGGAGACTCTGAATGTGACAGAAGGAAATTTCCACCAGTTGGTGGCACTGCTACACTGCCGCAGCCTGC
ACAAGGACTATGGTGCAGCCCTGCGGGGCCTGTGCGAAGACGCCCTGGAAGGCCTGCTCTTCCTGCTACT
CTTCTCCCTGCTGTCTGCAGGAGCGCTGGCCACTGCCCTCTGCAGCCTGCCCCGAGCCTGGGCCCTCTTC
CCACCCAGGAATCCAAGCGCTTTGTGCAGTGGCAGTCGTCTATCTGAGCCCCTCCTCCCGGCTGGACTGG
AGCCTGGCTCCCCTCTTCGTTCCTTCCCTGGCTGCCGGAGGAGACCCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

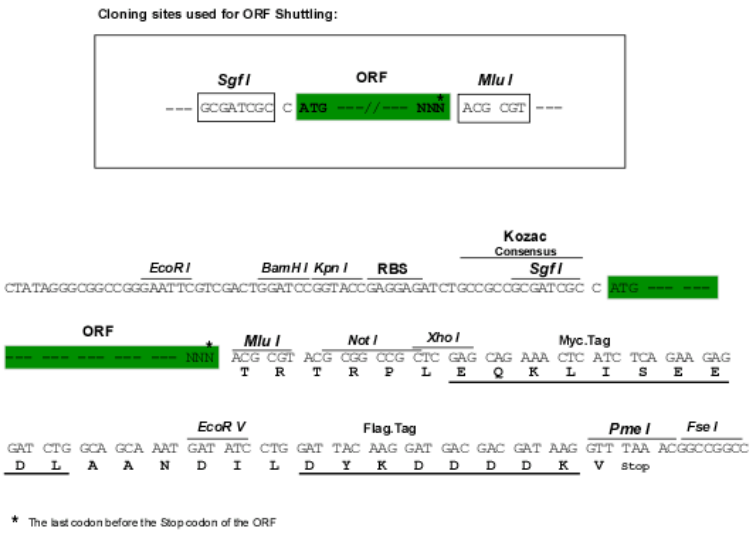
>RC203710 representing NM_001005367
Red=Cloning site Green=Tags(s)

MGAPPGYRPSAWVHLLHQLPRADFQLRPVPSVFAPQEQEYQQALLLVAALAGLGLGLSLIFIAVYLIRFC
CCRPPEPPGSKIPSPGGGCVTWSCIVALLAGCTGIGIGFYGNSETSDGVSQLSSALLHANHTLSTIDHLV
LETVERLGEAVRTELTTLEEVLEPRTELVAAARGARRQAEAAAQQLQGLAFWQGVPLSPLQVAENVSFVE
EYRWLAYVLLLLLELLVCLFTLLGLAKQSKWLVIVMTVMSLLVLVLSWGSMGLEAATAVGLSDFCSNPDP
YVLNLTQEETGLSSDILSYYLLCNRAVSNPFQQRLTLSQRALANIHSQLLGLEREAVPQFPSAQKPLLSL
EETLNVTEGNFHQLVALLHCRSLHKDYGAALRGLCEDALEGLLFLLLFSLLSAGALATALCSLPRAWALF
PPRNPSALCSGSRLSEPLLPAGLEPGSPLRSFPGCRRRPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001005367

ORF Size: 1380 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_001005367.3

RefSeq Size: 1875 bp

RefSeq ORF: 1383 bp

Locus ID: 57348

UniProt ID: Q9H313

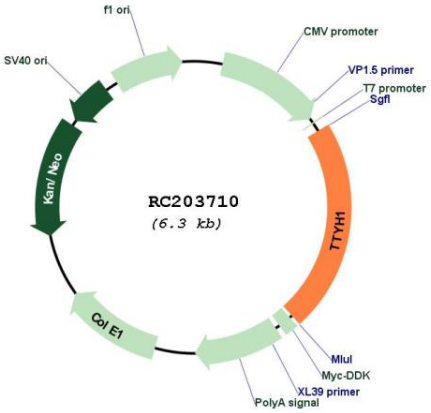
Cytogenetics: 19q13.42

Protein Families: Ion Channels: Other, Transmembrane

MW: 49.8 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 RC203710