

Product datasheet for **SC305682**

TTYH2 (NM_052869) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTYH2 (NM_052869) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTYH2
Synonyms:	C17orf29
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_052869, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGCAGATCCAGGTCGCGGGGCTGCTGCAGTTTGCCGTGCCCTCTTCTCCACTGCAGAG GAAGACCTGCTTGCAATCCAGCTCCTGCTGAACTCCTCAGAGTCCAGCCTTCACCAGCTG ACCGCCATGGTGGACTGCCGAGGGCTGCACAAGGATTATCTGGACGCTCTTGCTGGCATC TGCTACGACGGCCTCCAGGGCTTGCTGTACCTTGGCCTCTTCTCCTTCTGGCCGCCCTC GCCTTCTCCACCATGATCTGTGCAGGGCCAAGGGCCTGGAAGCACTTCACCACCAGAAAC AGAGACTACGATGACATTGATGATGATGACCCCTTTAACCCCAAGCCTGGCGCATGGCG GCTCACAGTCCCCGAGGGGACAGCTTCACAGCTTCTGCAGCTACAGCAGTGGCCTGGGA AGTCAGACCAGCCTGCAGCCCCCGCCAGACCATCTCCAACGCCCTGTCTCCGAGTAC ATGAACCAAGCCATGCTCTTTGGTAGGAACCCACGCTACGAGAACGTGCCACTAATCGGG AGAGCCTCCCCTCCGCCTACGTACTCTCCAGCATGAGAGCCACCTACCTGTCTGTGGCG GATGAGCACCTGAGGCACTACGGGAATCAGTTTCCAGCCTAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_052869
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).


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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

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 (2) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. The resulting isoform (2) contains a shorter C-terminus compared to isoform 1.