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Product datasheet for RG220380

TTYH1 (NM_020659) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTYH1 (NM_020659) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTYH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG220380 representing NM_020659
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
CCACCCAGTGACGACTACGATGACACAGACGATGACGACCCTTTCAACCCTCAGGAATCCAAGCGCTTTG
TGCAGTGGCAGTCGTCTATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

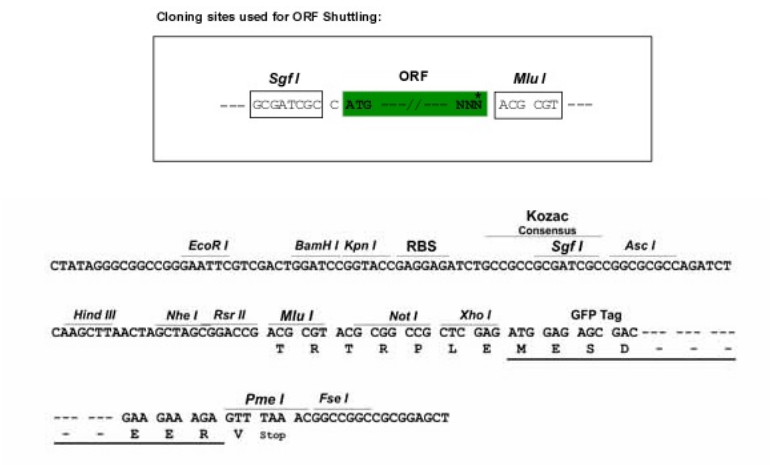
>RG220380 representing NM_020659
Red=Cloning site Green=Tags(s)

MGAPPGYRPSAWVHLLHQLPRADFQLRPVPSVFAPQEQEYQQALLLVAALAGLGLGLSLIFIAVYLIRFC
CCRPPEPPGSKIPSPGGGCVTWSCIVALLAGCTGIGIGFYGNSETSDGVSQLSSALLHANHTLSTIDHLV
LETVERLGEAVRTELTTLEEVLEPRTELVAAARGARRQAEAAAQQLQGLAFWQGVPLSPLQVAENVSFVE
EYRWLAYVLLLLLELLVCLFTLLGLAKQSKWLVIVMTVMSLLVLVLSWGSMGLEAATAVGLSDFCSNPDP
YVLNLTQEETGLSSDILSYYLLCNRAVSNPFQQRLTLSQRALANIHSQLLGLEREAVPQFPSAQKPLLSL
EETLNVTEGNFHQLVALLHCRSLHKDYGAALRGLCEDALEGLLFLLLFSLLSAGALATALCSLPRAWALF
PPSDDYDDTDDDDPFNPQESKRFVQWQSSI

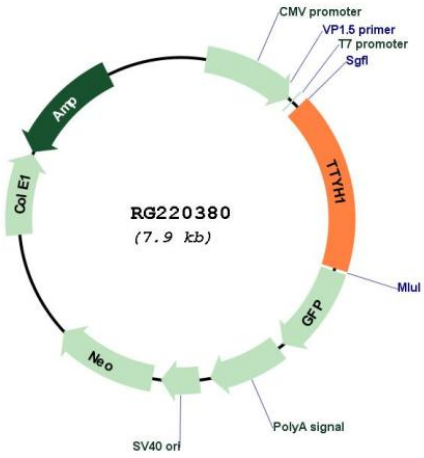
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_020659
ORF Size:	1350 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_020659.4
RefSeq Size:	2045 bp
RefSeq ORF:	1353 bp
Locus ID:	57348
UniProt ID:	Q9H313
Cytogenetics:	19q13.42
Protein Families:	Ion Channels: Other, 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+)-independent, volume-sensitive large conductance chloride(-) channel. Three transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jan 2011]