

Product datasheet for SC306029

TYW3 (NM_138467) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TYW3 (NM_138467) Human Untagged Clone
Tag:	Tag Free
Symbol:	TYW3
Synonyms:	C1orf171
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306029 representing NM_138467. Blue=Insert sequence Red=Cloning site Green=Tag(s)

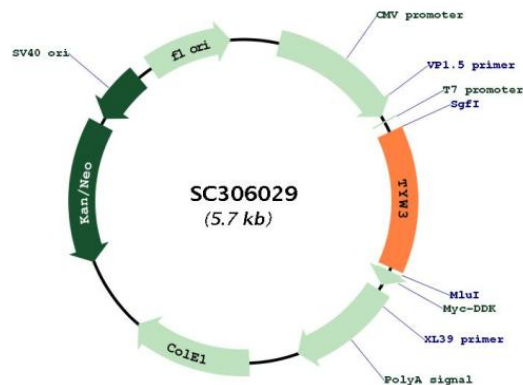
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGATCGCAGCGCGGAGTTCAGGAAATGGAAGGCGCAATGTTTGAGCAAAGCGGACCTCAGCCGGAAG
GGCAGTGTGACGAGGATGTGGTAGAGCTTGTGCAGTTTCTGAACATGCGAGATCAGTTTTTACCACC
AGCTCCTGCGCTGGCCGCATCCTACTCCTTGACCGGGTATAAATGGTTTTGAGTTTCAGAAACAAAAC
TGTTGCTGGCTACTGGTTACACACAACTTTGTGTAAGATGATGTGATTGTAGCTCTGAAGAAAGCA
AATGGTGATGCCACTTTGAAATTTGAACATTTGTTCTTCATGTGCAGTGTGACAATTGCAGGATGCA
CAGATTCTGCATTCATGGCAATAGATTCTGGTTTCAGGAACTCTGGCATAACGGTGGGAAAGAGAGGA
AAAATATGTTGGCTGTCCGGAGTACACATGGCTTAGAAGTTCCATTAAGCCATAAGGGAAAACATGATG
GTGACAGAGGAATATATTGACTTCTGTTAAATGTGGCAAATCAAAAAATGGAGGAAAACAAGAAAAGA
ATTGAGAGTTTTACAACGCTACAGCATGCTTTGAAAAGGAAACGATGACTAATTACATCCCAAG
ATCAAAGAGAAAATAAATCATCATATATTATAAGAAAAAAGAAACCCAGAAAAACACGTGCCAG
TGTATTACTAAAGAAAGTATGAAGAATTGAAAATGATGATGATGATGATCTAGGAATCAATGTTACC
ATCTTCCCTGAAGATTACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_138467

Insert Size: 780 bp

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).

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_138467.2](#)

RefSeq Size: 3448 bp

RefSeq ORF: 780 bp

Locus ID: 127253

UniProt ID: [Q6IPR3](#)

Cytogenetics: 1p31.1

MW: 29.8 kDa

Gene Summary: Wybutosine (yW) is a hypermodified guanosine at the 3-prime position adjacent to the anticodon of phenylalanine tRNA that stabilizes codon-anticodon interactions during decoding on the ribosome. TYW3 is the human homolog of a yeast gene essential for yW synthesis (Noma and Suzuki, 2006).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.