

Product datasheet for **SC326496**

TYW1B (NM_001145440) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TYW1B (NM_001145440) Human Untagged Clone
Tag:	Tag Free
Symbol:	TYW1B
Synonyms:	LINC00069; NCRNA00069; RSAFD2
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_001145440, the custom clone sequence may differ by one or more nucleotides <pre> ATGGATCCTTCTGCGGATACATGGGACCTCTCCTCACCTTTAATATCATTATGGATAAAC AGGTTTTACATTTATCTGGGCTTTGCTGTTAGCATTAGCCTTTGGATTTGTGTCCAGATT GTCATCGAGATGCAGGGATTTGCAACAGTTCTTGCTGAAGCAGTTACGTCCTGGATCTG CCTGTGGCCATTATTAATCTAAAAGAATATGATCCAGATGATCATCTGATAGAAGAGGTG ACTAGTAAAAATGTCTGTCTTCTGCTGGTTGCGACATACACTGACGGCCTACCAACCGAA AGTGCAGAGTGGTCTGCAAAATGGTTAGAGGAAGCATCCATTGATTTTCGATTTGGCAAA ACTTACCTGAAGGTATGAGAGATGCGGTATTTGGCCTGGGAAATTCTGCCTATGCTAGC CACTTCAACAAGGTTGGCAAAAATGTTGACAAGTGGCTCTGGATGCTTGGCGTGCATCGT GTGATGAGTCGAGGGGAGGGCGACTGCGACGTGGTTAAAAGCAAGCACGGCAGCATTGAG GCCAATTCAGAGCATGGAAGACCAAGTTCATCTCCAGCTGCAGGCACTTCAGAAAGGG GAGAGAAAAGAAGTCTGTGGCGGCCACTGCAAGAAAGGCAAAATGTGAATCTCACCAACAT GGCTCAGAGGAGAGGGAGGAAGGATCTCAAGAGCAGGACGAATTGCATCAGAGACACC AAGGAGGAAGAACCCTTCGAGAGCTCCAGTGAAGAAGAGTTTGGTGGTGAGGACCATCAG AGCCTAAATTCCATTGTTGATGTTGAAGATTTGGGCAAAATTATGGATCACGTGAAGAAA GAAAAGAGAGAAAAGGAACAGCAGGAAGAGAAGTCTGGTTTGTTCAGGAACATGGGGAGG AATGAAGATGGTGAAAGAAGAGCTATGATAACTCTGCTCTCCGAGAAGCCCTTACTAAA CAAGTCGATGCTCCGAGGGAGAGGAGCTTGTTACAAACACACATTCTATGGAATGAGAGC CATCGTGCATGGAAACCACCCGAGCTTGGCGTGTGCTAATAAATGTGCTTCTGTTGG TGGCACCACAACAACCCTGTGGGCACTGAATGGTTGTGGAAGATGGACCAGCCTGAAATG ATCTTGAAGGAAGCCATTGAAAACCATCAGAACATGATTAAGCAGTTTAAAGGAGTACCG GGCGTCAAAGCAGAACGCTTTGAAGAAGGAATGACGGTAAAGCACTGTGCATTGTCCCTC GTGGGAGAACCAATAATGTACCCAGAGATCAACAGGTTTTTGAAGCTACTCCACCAAGTGT AAAATCTCCAGCTTCTGGTCACAAATGCACAATTTCTGCGGAAATCAGGAACCTCGAG CCAGTTACTCAGCTGTATGTCAGTGTGGATGCCAGTACCAAAGACAGCCTGAAGAAAATC GACCGCCCACTCTTCAAGGATTTCTGGCAGCAATTCCTTGACAGTTTAAAGCCTTGGCA GTCAAGCAACAACGAAGTGTCTACAGACTGACGCTCGTAAAGCATGGAACGTGGACGAG CTCCAGGCCTACGCGCAGCTCGTGTCCCTGGGGAATCCTGACTTCATCGAAGTGAAGGGC GTTACCTACTGCAGAGAAAGTTCAGCAAGCAGTCTTACCATGGCCCATGTGCCCTGGCAT GAGGAAGTGGTACAGTTTGTCCGCGAGCTGGTGGATCTGATCCCCGAATATGAAATTGCA TGTGAACACGAACACTCTAATTGCCTCCTGATAGCACACAGAAAGTTTAAATTTGGTGGT GAATGGTGGACATGGATCGATTATAACCGCTTCCAGGAGCTCATCCAGGAATATGAAGAT AGTGGTGGATCAAAAACGTTTCAGCGCAAAGGATTATATGGCCAGAACTCCTCACTGGGCA TTATTTGGTGCCAATGAAAGAAGCTTTGATCCCAAGGACACAAGACATCAGAGAAAGAAC AAATCAAAGGCTATTTCTGGATGT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001145440
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:	<u>NM_001145440.1, NP_001138912.1</u>
RefSeq Size:	3171 bp
RefSeq ORF:	2007 bp
Locus ID:	441250
UniProt ID:	<u>Q6NUM6</u>
Cytogenetics:	7q11.22-q11.23
Gene Summary:	Wybutosine is a hypermodified guanosine found in phenylalanine tRNA. Wybutosine functions to stabilize codon-anticodon interactions during ribosome decoding and therefore supports the maintenance of the reading frame. In yeast, the homolog of this gene is essential for the synthesis of wybutosine. The human genome contains two closely related genes that putatively function in wybutosine synthesis. The open reading frame of this locus is disrupted in some individuals. Thus, this locus appears to be an evolving pseudogene, but may still be functional in some members of the population. [provided by RefSeq, Apr 2014] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).