

## Product datasheet for **RN201440**

### **Tyw1 (NM\_001107137) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tyw1 (NM_001107137) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tyw1
Synonyms:	RGD1310420; Rsafd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN201440 representing NM\_001107137  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGTCCTCTCTGGATGTGTGGGACTTCTCGTACACCTTGGCTGCCATGGATGAACAGGTTCTACA  
 TATATATGGGCTGTGCCCTGGGAGTTACGCTTTGGTTCTGTGTCCAGATCATCATCAAGAAGCAGGTCAC  
 TCGTTCCAGGAGAAGAGTGTCCAGGAGCTCCTGATAGCTCCCTCTCCCTCAGGAGAAGCATAACAC  
 GTGTCTGGAGTGAAGATTTTCTACGGATCACAGACGGGCACTGCCAAGGATTTCGAGTGGTTCTTGCCA  
 AAGCTGTCACCTCTCTGGACCTGCCTGTGGCCATTATTAATCTGAAGGAGTATGATCCAGATGACAACT  
 GATAGGAGAGATCACTAGTAAAAACGTCTGTGCCTTTCTGGTTGTACGTACACGGACGGCCGCCCTACG  
 GAGAGCGCAGAGTGGTTCTGCAAGTGGTTAGAGGAAGCGCCAATGATTTCCGCTTTGGCAAACGTACC  
 TGAAGGACTTCGATATGCAGTGTGGCCTGGGAGACTCGCTACCGGAGCCACTTCAACAAGGTCAG  
 CACGAACGTGCACAAATGGCTCTGGATGCTTGGTCCCGAGGAGTGTGACCCGAGGGGAGGGCGACTGC  
 AATGCAGTTCAGAGCAAACATGGCAGCATCGAGGCCGACTTACAGCCTGGAAGACCAAGTTCATCTCCC  
 GGCTGCAGGCCCTACAGAGAGGGGAGAAAAAGGCTGTGGTGGGGACTGCAAGAGAGGGAAGTGTGAGTC  
 GGCGCAGCATGGCCAGGAGAGGTGCGGTCTCACCCACACGGCGAATTGCATCCTGGGGATGCTGAGGAG  
 GAAGAGCCCTGTGAGAGCAGCAGCGAGGACGAGCACGGGACCAAGGGTTATCAGAGCCTGAATTCGTGG  
 TTGATGTGAGGACCTGGGCAACATCATGAACCCCGTGAAGAGGGAAAAGAGAGAAAAGGCTCAACCGGA  
 GGAGAAAGTTGTGTCGACAGGAACCTCAGAGAAGTGAAGACAGCGAAGCGAGAGCTATGATTACGCT  
 GCTCTGCGGGAGGCCCTAACTAAACAAGGTACCAGTTGATTGGCAGCCACTCCGGTGTGAAGCTTGGCA  
 GGTGGACCAAGTCCATGCTGCGGGGCGAGGAGTTGCTACAAGCACACATTCTACGGCATCGAGAGCCA  
 TCGCTGCATGGAGGCCACCCCGAGCTTGGCATGTGCGAACAAGTGTGCTTCTGCTGGCGCACCATACG  
 AATCCTGTGGGCACGGAGTGGCGGTGGAAGATGGACCAGCCGGAATTGATCTTGAAGGAAGCCATTGAGA  
 ACCATCGGAACATGATTAACACAGTTCAAAGGCGTGCCAGGGCTCAAGGCCGAGCGCTTCAAGAGGGGAT  
 GGAGGTCAAGCACTGTGCGCTGTCACTCGTGGGTGAGCCAATAATGTACCCAGAGATCAACAGGCTTTTG  
 AAGCTGCTCCACCAGCACGGGATCTCCACTTTCCTTGTACCAATGCACAGTTCCTGAGGAAATCAGGA  
 ACCTCACACCAGTACTCAGCTCTATGTAAGTGTGGACGCCAGCACCAAGACAGCCTGAAGAAGATCGA  
 CCGCCCGCTTCAAGGATTTCTGGCAGCGATTCTAGACAGTTTGAAGCCTTATCTGCAAAGCAACAG  
 CGAACCGTCTACAGACTGACACTTGTGAAGTGTGGAACGTGGACGAGCTCCAGGCTACGCCGAGCTGG  
 TGTCTTTGGGGAGCCCGACTTCATCGAGGTCAAGGGCGTGACCTACTGCGGTGAGAGTGCAGCCAGCAG  
 CCTCACCATGGCCAACGTCCCTTGGCACGAGGAAGTGTCCGGTTTGTCCGTGAGCTGGTGGATCTGCTT  
 CCTGACTATGAAATTCGCTGTGAACATGAACACTCCAACCTGCCTCCTGATTGGACACAAGAAGTTTAA  
 TCGGCGGAGAGTGGTGGACGTGGATCGATTACAGCCGCTTCCAGGAGCTCGTCTGCAGTACGAAGAGAG  
 CGGAGGCTCAAAGACGTTTCAGCTCGAAGGATTACATGGCCAGAACCCACAGTGGGCCCTGTTTGGTGCC  
 AGGAAAGAGGCTTTGATCCCAAGGACACGAGATACCAGAGGAAGAACAAGACGAAGGACATTTCCGGTT  
**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001107137

**Insert Size:** 2175 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001107137.1, NP_001100607.1</u>
<b>RefSeq Size:</b>	2617 bp
<b>RefSeq ORF:</b>	2175 bp
<b>Locus ID:</b>	304423
<b>Cytogenetics:</b>	12q12