

## Product datasheet for SC123031

### RHOXF2 (NM\_032498) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RHOXF2 (NM\_032498) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RHOXF2  
**Synonyms:** CT107; PEPP-2; PEPP2; THG1  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_032498 edited  
ACGGTTCTAGCACTGCCTAGGAGAGCGTGGTGGCCCCAGCTCAGAATCTGCAGAAGTGCA  
CAGCTCCATCCACACCACTCAGGGTATGGAGCCTCCGGACCAAGTGTAGCCAGTATATGAC  
CAGCTTGTCTCAGCCCTGCAGTCGACGACGAGAAAGAACTACAGGATATGAATGCTATGGT  
GCTGTGCTTACTGAAGAGGTCAAAGAGGAGGAAGAGGATGCACAGCCTGAGCCTGAGCA  
AGGCACAGCAGCAGGAGAAAAGTTAAAGTCGGCAGGAGCCCAAGGCGGAGAAGAAAAAGA  
TGGCGGCGGAGAAGAAAAAGATGGCGGCGGCGCCGGAGTTCCTGGCCACCTATGGGAAGG  
AGACCTCGAGGGCACCAGCGGCAGCGATGGCAACGTTGAGGACAGCGACCAGAGCGAGAA  
GGAACCTGGGCAGCAGTATTCGCGCCACAGGGCGCCGTCGGGGGGCTGGAGCCTGGCAA  
CGCGCAGCAGCCCAACGTCCACGCCTTCACCCATTGCAGCTGCAGGAGCTGGAGCGCAT  
TTTCCAACGCGAGCAGTTCCTCAGTGAGTTCCTGCGAAGGAGGCTGGCAAGAAGCATGAA  
TGTGACTGAACTCGCAGTGCAGATTTGGTTTGAGAATAGAAGAGCCAAATGGAGGAGACA  
TCAGAGGGCATTAAATGGCAAGAAACATGCTGCCCTTCATGGCAGTGGGCCAGCCTGTCAT  
GGTAACCCGAGCTGAGGCCATAACGGCACCCCTTGTTCATCAGCGGGATGAGAGATGATTA  
CTTCTGGGACCACAGCCATTCCAGCAGCCTGTGTTTCCCATGCCACCCTTCTCCTCCTCC  
GTCCTTGGCCCTTCCACTCATGCTTCTTCCACCTATGCCACCCGCTGGCCAGGCTGAATT  
TGGCCATTCCCTTTTGTATCGTGCCTTCTTTCACATTCCTCAATGTCTAAGGGATAGC  
CTCTGTGCCACTTTTTGCCAGAGTGTCTTTGAGCCAGATTCAATTTTGCATAGCACCCC  
ATCAAAAGTAGTTTCATCAAATGTCTATTAACGTTTTAAAGAAAAGTACATCATTGACCC  
ATTTTTAGGGCACTTGTAAAAATGTTTCTATAAATATGTGAAGGGTATGTACATTTGTTT  
TGTGTGTACATGGGGTCAAGTTCCTCAATAAAAATTGTTAAGAAATGCCATTCAAAC  
CGAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_032498 unedited GTAGGGCGCCACATCAACTTCGTATAGCATACATTATTCTTAATTATGGATCAGGCCAA ATCGGCCGAGCTCGAATTCGTGAGAGCGGACGGTTCTAGCACTGCCTAGGAGAGCGTGG TGGCCCCAGCTCATAATCTGCAGAAGTGCACAGCTCCATCCACACCACTCAGGGTATGGA GCCTCCGACCAGTGTAGCCAGTATATGACCAGTTGCTCAGCCCTGCAGTCGACGACGA GAAAGAACTACAGGATATGAATGCTATGGTGTGCTCGCTTACTGAAGAGGTCAAAGAGGA GGAAGAGGATGCACAGCCTGAGCCTGAGCAAGGCACAGCAGCAGGAGAAAAAGTTAAAGTC GGCAGGAGCCCAAGGCGGAGAAGAAAAAGATGGCGGCGGAGAAGAAAAAGATGGCGGCGG CGCCGGAGTTCTGGCCACCTATGGGAAGGAGACCTCGAGGGCACCAGCGGCAGCGATGG CAACGTTGAGGACAGCGACCAGAGCGAGAAGGAACCTGGGCAGCAGTATTCGCGCCACA GGGCGCCGTGGGGGGCTGGAGCCTGGCAACGCGCATCAGCCCAACGTCCACGCCTTAC CCCATTGCAGCTGCAGGAGCTGGAGCGCATTTTCCAACGCGAGCAGTTCCCCAGTGAGTT CCTGCGAAGGAGGCTGGCAAGAAGCATGAATGTGACTGAACTCGCAGTGCAGATTTGGTT TGAGAATAGAAGGCCAAATGGAGGAGACATCAGAGGGCATTAAATGGCAAGAAACATGCT GCCCTTATGGCAGTGGGCCAGCCTGTCATGGTAACCGCAGCTGATGCCATAACGGCACC CTTGTTATCAGCGGGATGAGAGATGATTACTTCTGGGACCC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_032498
<b>Insert Size:</b>	1224 bp
<b>OTI Disclaimer:</b>	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>	<a href="#">NM_032498.1</a> , <a href="#">NP_115887.1</a>
<b>RefSeq Size:</b>	1297 bp
<b>RefSeq ORF:</b>	867 bp
<b>Locus ID:</b>	84528
<b>UniProt ID:</b>	<a href="#">Q9BQY4</a>
<b>Cytogenetics:</b>	Xq24
<b>Protein Families:</b>	Transcription Factors

**Gene Summary:**

This gene, which encodes a transcriptional repressor, is one of two paralogous X-linked homeobox-containing genes and is highly expressed in a variety of cancers. In addition, the encoded protein associates with the cell membrane and with microtubules, and is concentrated at the leading edge of migratory cells. [provided by RefSeq, Dec 2015]