

## Product datasheet for **SC320141**

### **PYROXD2 (NM\_032709) Human Untagged Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | PYROXD2 (NM_032709) Human Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | PYROXD2                                  |
| Synonyms:                 | C10orf33; FP3420; YUEF                   |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-AC (PS100020)                      |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_032709.1  
 CCAATCGCTAGCAAACCTCCCTGCCTAGCAAGGCCAGCCTGGGGCAGAAATGGCTGCAAG  
 TGGCCGAGGTCTCTGCAAGGCTGTGGCCGCTCTCCCTTCCCGCGTGGAGACGAGATAA  
 CACGGAAGCCAGGGGAGGTCTGAAGCCTGAGTATGATGCGGTGGTATAGGAGCAGGACA  
 CAACGGAAGTGGTGCAGCGTACCTGCAGAGACTGGGGTGAACACCGCCGTCTTGA  
 GAGGCCCATGTGATCGGGGTGCAGCTGCTCACTGAGGAGATCATCCAGGGTTTAAGTT  
 CTCCCGTGCCTCTACCTGCTCAGCCTGCTGAGGCCGAGATTTACACTGATCTGGAGCT  
 GAAGAAACATGGGCTGAGGCTTCATCTTCGAAACCCCTACTCCTTCACCCCATGCTGGA  
 AGAGGGTGCAGGCAGCAAGGTGCCAGGTGCCTTCTGCTGGGCACAGACATGGCAGAAAA  
 CCAGAAGCAGATCGCCAGTTCTCCAGAGGATGCCAGGTCTTCCCAATATGAGGA  
 GTTCATGCATCGCTTGGCATTAGCCATTGACCCTCTGCTGGATGCGGCCCCCGTGGACAT  
 GGCGGCCCTCCAGCATGGCTCCTTGCTGCAAAGGATGAGGTGCTCTCCACCCTCAAGCC  
 CCTGCTGAAGGCAGGCCGATCCTGGGAGCCAGCTTCCCGATATTATGAGGCTCCTCAC  
 AGCTCCCATACCAAGGTGCTGGATCAGTGGTTCGAGTCTGAGCCTTTAAAGCCACTCT  
 AGCCACAGATGCAGTGATTGGAGCCATGACAAGTCCCCACACTCCGGGGAGTGGGTATGT  
 GCTGCTGCACCATGTGATGGGGGCTGAGGGAATGCAGGGGGCTGGGGCTACGTCCA  
 GGGGGGCTGGGTGCCCTCTCTGATGCGATCGCAAGCTCAGCCACCACACATGGAGCAAG  
 CATCTTCACTGAAAGACAGTGGCGAAGGTGCAGGTGAACAGTGAAGGCTGTGTTCAAGG  
 AGTTGTGCTGGAAGATGGCACAGAGGTGAGAAGCAAAATGGTGTGTCCAACACATCACC  
 GCAGATCACCTTCTGAAGTGCAGCCACAGGAGTGGCTTCTGAGGAGTTCTTGAGAG  
 AATCTCTCAGCTGGACACCCGGTCGCTGTACCAAGATCAATGTGGCCGTAGACAGGCT  
 GCCCAGCTTCTGGCGGCCCAATGCTCCCAGGGGCCAGCCGCTGCCCCATACCAATG  
 CTCCATCCACCTGAAGTGTGAAGACACCTCCTCCTTCATCAGGCCTTTGAAGATGCCAT  
 GGATGGCCTGTCTTCCACAGGCCTGTGATTGAGCTCTGCATCCCTTCTCGCTGGACCC  
 CACCCTGGCTCCCCCTGGCTGCCATGTAGTCTCCCTTCACTCAGTACACGCCCTATAC  
 GCTGGCTGGAGCAAGGCCTGGGACGAGCAGGAGAGAGACGCTTATGCAGACAGAGTGT  
 TGATTGCATCGAGGTCTATGCCCTGGCTTCAAGGACTCTGTGGTTGGCAGAGACATCCT  
 CACACCACCAGATTTGGAGAGAATCTTCGGGCTTCTGGAGGGAACATATTCCACTGCGC  
 CATGTCCCTGGACCAGCTCTACTTCGCCCCGCCGTCGCCCTGCATTCTGGCTACCGCTG  
 CCCTCTCCAGGGCTGTATCTCTGTGGAAGTGGGGCTCATCCTGGAGGAGGTGTGATGGG  
 AGCTGCTGGGCGAAATGCAGCACATGTGGCCTTTAGGGACCTCAAGAGCATGTGACCCTG  
 AACCAGCTCTGACCCAGGAAGAAGACTCCACCCCTGAATTCCAAGTGCTCCATTGGATCA  
 GCTTCCAGGAAGTTCAGCTTCGGGTAGTACATAAGGCCACCACAATGTCAAGAAATT  
 ATTTTAGAAAAACGTACGAGTTACATTTAGTGCAAGTTGACCTTATGCCCATGCCTCCA  
 TACATGGACTGTTCTGTTTTATTAATACTAATATTTATACAGATAAAAAAAAAAAAAA  
 AAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_032709

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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 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\\_032709.1](#), [NP\\_116098.1](#)

**RefSeq Size:** 2046 bp

**RefSeq ORF:** 1746 bp

**Locus ID:** 84795

**UniProt ID:** [Q8N2H3](#)

**Cytogenetics:** 10q24.2

**Gene Summary:** Probable oxidoreductase.[UniProtKB/Swiss-Prot Function]